

DEPARTMENT OF RAILWAYS AND CANALS

CANAL STATISTICS

FOR THE

SEASON OF NAVIGATION

1907

PRINTED BY ORDER OF PARLIAMENT



OTTAWA

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EXCELLENT MAJESTY

1908

[No. 20a—1908.]

To His Excellency the Right Honourable Sir Albert Henry George, Earl Grey, Viscount Howick, Baron Grey of Howick, in the County of Northumberland, in the Peerage of the United Kingdom, and a Baronet ; Knight Grand Cross of the Most Distinguished Order of Saint Michael and Saint George, &c., &c., &c., Governor General of Canada.

MAY IT PLEASE YOUR EXCELLENCY :

The undersigned has the honour to present to Your Excellency the report on Canal Statistics for the year ended December 31, 1907.

GEO. P. GRAHAM,
Minister of Railways and Canals.

To the Honourable GEORGE P. GRAHAM,
Minister of Railways and Canals.

SIR,—I have the honour to submit the annual report of the Comptroller of Railway Statistics in relation to the operations of the Canals of the Dominion for the year ended December 31, 1907.

I have the honour to be, Sir,

Your obedient servant,

M. J. BUTLER,
Deputy Minister of Railways and Canals.

OFFICE OF THE COMPTROLLER OF RAILWAY STATISTICS,
OTTAWA, 23rd May, 1908.

M. J. BUTLER, Esq.,
Deputy Minister of Railways and Canals.

SIR,—I have the honour to submit herewith Canal statistics for the year ended 31st December, 1907.

The water-borne traffic of the Dominion for the year 1907 was the largest on record. The total volume aggregated 20,543,639 tons, as compared with 10,523,185 tons for the preceding year. This represented an increase of 10,020,454 tons, or 95·2 per cent. For the ten year period the betterment was 13,925,164 tons, or 210·4 per cent—which must be regarded as an exceedingly satisfactory result.

The results for the past five years are as follow :—

1903.....	9,203,917
1904.....	8,256,236
1905.....	9,371,744
1906.....	10,523,185
1907.....	20,543,639

It may be helpful for comparative purposes, to observe the extent to which the traffic of Canadian railways has grown during the same period :—

1903.....	47,373,417 tons.
1904.....	48,097,957 "
1905.....	50,893,957 "
1906.....	57,966,713 "
1907.....	63,866,135 "

The principal expansion during the last year was in the business of the Sault Ste. Marie Canal, which showed an increase of 5,601,943 tons over 1906. As illustrating the growth of traffic through the Canadian canal at Sault Ste. Marie the following figures for the past decade are instructive :—

	1898.	1907.
Canadian registered tonnage.....	403,331	2,288,349
United States registered tonnage.....	2,354,606	9,887,633
Total tonnage.....	2,757,937	12,175,982
Lockages.....	2,520	4,596
Vessel passages.....	3,712	6,153

These results are exceedingly encouraging. They show that while the increase of United States tonnage through the so-called "Soo" canal was 315·6 per cent for the ten-year period, the increase of Canadian tonnage was 467·3 per cent. The betterment

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in total traffic for the decade was 341.4 per cent; and, since the number of passages grew by but 65.7 per cent, it is obvious that the carrying business of the upper lakes is rapidly developing a much larger type of steam vessel than has hitherto been in use. In this respect Canadian forwarders appear to be abreast with their American competitors.

A word or two of explanation may not be out of place at this point: At Sault Ste. Marie there are two canals of nearly equal capacity—one on the United States side of the St. Mary's river, and the other on the Canadian side. Both are free. It is optional with the captain of a vessel to take either canal. Hence, United States steamers pass through the Canadian canal, and Canadian vessels pass through the American canal. The total volume of traffic at that point may, therefore, only be measured by combining the returns of the two canals.

For 1907 the figures are as follow :—

Tonnage, Canadian canal.....	12,175,982
“ United States canal.....	58,217,214
Total	<hr/> 70,393,196

A change in the method of recording statistics will go into effect this year, whereby a discrimination will be made as to the products of either country passing through the canals at Sault St. Marie. Hitherto regard has only been had to the nationality of the vessels. In future a record will be kept of distinctly Canadian cargoes carried by water, and the information ought to be of considerable value. The new rule applies to all canals in the Dominion, although the difficulty of keeping a separate account arises chiefly at Sault St. Marie. This has been overcome by securing the co-operation of the United States authorities at that point. Under this system it will be possible thereafter to show the tonnage of Canadian grain brought down from the west by water, and to follow its course into the interior or to the seaboard.

The following tables in relation to traffic enable comparisons to be made over a period of 21 years :—

SESSIONAL PAPER No. 20a

STATEMENT of total Freight passed through the Canals, for the following Years :—

Years.	FROM CANADIAN TO CANADIAN PORTS.		FROM CANADIAN TO UNITED STATES PORTS.		FROM UNITED STATES TO UNITED STATES PORTS.		FROM UNITED STATES TO CANADIAN PORTS.		TONS.		TOTAL TONS.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	
Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Up and down.	
1887.....	336,648	1,154,424	138,692	202,563	151,805	192,528	86,374	457,482	713,519	2,006,997	2,720,516
1888.....	355,165	1,146,260	138,127	174,239	214,407	223,429	81,611	428,357	789,310	1,972,287	2,761,597
1889.....	384,777	1,156,306	122,295	198,497	267,224	300,193	81,243	603,311	855,529	2,258,367	3,113,896
1890.....	369,593	1,137,011	144,368	133,188	216,813	320,324	58,709	533,021	789,505	2,123,542	2,913,047
1891.....	370,120	1,155,247	103,814	123,193	248,188	307,958	50,747	543,259	772,869	2,129,657	2,902,526
1892.....	327,560	1,322,137	173,538	135,787	241,034	302,983	47,396	481,301	789,528	2,242,208	3,031,736
1893.....	351,706	1,344,822	214,076	141,602	247,329	385,769	54,912	806,773	868,023	2,678,966	3,546,989
1894.....	299,155	1,140,606	204,175	89,614	231,172	363,107	46,020	568,866	780,522	2,162,193	2,942,715
1895.....	264,824	1,070,046	286,191	91,177	362,637	608,778	62,285	590,140	975,937	2,360,141	*3,336,078
1896.....	293,353	1,619,668	259,659	100,519	1,197,245	3,536,054	117,535	867,040	1,867,792	6,123,281	7,991,073
1897.....	275,587	1,713,274	268,700	187,960	669,142	4,369,314	108,787	968,203	1,322,216	7,238,751	8,560,967
1898.....	263,989	1,819,887	187,253	98,967	929,508	2,425,121	81,615	912,135	1,362,365	5,256,110	6,618,475
1899.....	296,208	1,833,412	266,364	115,133	732,030	2,129,988	125,678	727,111	1,420,280	4,805,644	6,225,924
1900.....	312,201	1,632,915	270,033	81,714	568,197	1,339,915	105,155	703,563	1,255,586	3,758,107	5,013,693
1901.....	340,805	1,686,094	268,449	201,231	507,204	1,801,696	177,715	682,065	1,294,173	4,371,086	5,665,259
1902.....	529,085	2,064,480	308,212	342,484	515,828	3,000,636	190,243	562,229	1,543,368	5,969,829	7,513,197
1903.....	648,150	2,391,366	430,174	408,500	863,337	3,130,816	373,456	958,018	2,315,117	6,888,700	9,203,817
1904.....	606,737	2,047,499	511,887	276,578	699,784	2,778,903	483,795	851,053	2,302,203	5,954,033	8,256,236
1905.....	736,976	2,252,514	549,365	347,089	607,228	3,183,895	577,528	1,137,146	2,451,097	6,920,647	9,371,744
1906.....	1,238,929	2,355,855	627,094	234,919	991,508	3,595,256	482,239	997,385	3,339,770	7,183,415	10,523,185
1907.....	1,034,733	3,162,158	891,692	226,138	1,991,959	11,060,878	819,369	1,356,712	4,737,753	15,805,886	20,543,639

* Sault Ste. Marie canal opened in August, 1895.

STATEMENT of the Tonnage of Canadian and United States Vessels for the following years :—
CANADIAN VESSELS.

Years.	FROM CANADIAN TO CANADIAN PORTS.		FROM CANADIAN TO UNITED STATES PORTS.		FROM UNITED STATES TO UNITED STATES PORTS.		FROM UNITED STATES TO CANADIAN PORTS.		TONS.		TOTAL TONS.	Number of Vessels.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
1887.....	1,201,529	1,194,665	162,554	36,277	1,071	65	30,778	221,013	1,395,932	1,452,020	2,847,952	18,99
1888.....	1,113,290	1,120,774	158,209	34,368	1,252	.....	22,553	189,876	1,295,304	1,345,018	2,640,322	17,661
1889.....	1,285,574	1,207,892	188,131	39,371	976	802	20,271	252,565	1,494,952	1,500,630	2,995,582	19,393
1890.....	1,314,127	1,250,999	229,478	32,909	929	351	14,003	296,676	1,558,537	1,580,935	3,139,472	20,655
1891.....	1,356,518	1,287,168	201,758	28,642	550	292	16,350	244,176	1,575,176	1,560,278	3,135,454	19,246
1892.....	1,517,249	1,460,505	177,136	29,184	1,466	394	14,659	201,374	1,710,510	1,691,455	3,401,965	21,177
1893.....	1,548,094	1,422,326	170,186	26,787	1,172	10	17,037	248,442	1,736,489	1,697,565	3,434,054	20,757
1894.....	1,319,792	1,260,907	217,635	19,298	2,177	5	6,394	222,696	1,545,998	1,502,906	3,048,904	19,027
1895.....	1,258,848	1,165,683	253,693	13,383	.....	.....	5,899	285,553	1,518,440	1,464,619	2,983,059	17,136
1896.....	1,547,757	1,420,342	200,292	5,234	157	.....	4,115	271,809	1,752,321	1,697,385	3,449,706	20,972
1897.....	1,629,192	1,482,951	215,785	11,378	.....	.....	3,533	297,898	1,848,510	1,792,227	3,640,737	21,466
1898.....	1,704,661	1,609,255	215,393	4,927	499	518	6,805	255,927	1,927,358	1,870,627	3,797,985	21,509
1899.....	1,865,643	1,774,789	242,817	32,436	925	3,691	42,290	345,980	2,151,675	2,156,896	4,308,571	23,579
1900.....	1,767,293	1,681,340	265,926	14,922	2,909	64	38,015	358,781	2,074,143	2,055,107	4,129,250	21,755
1901.....	1,615,952	1,587,221	279,007	82,541	3,300	2,908	97,332	312,003	1,995,591	1,984,673	3,980,264	20,860
1902.....	1,914,167	1,840,787	241,356	97,492	1,874	2,164	101,335	286,520	2,258,732	2,226,963	4,485,695	22,198
1903.....	2,061,258	2,088,969	340,383	143,614	7,018	3,082	188,896	379,612	2,597,555	2,615,277	5,212,832	23,767
1904.....	1,838,260	1,907,886	299,245	159,740	5,175	4,223	237,910	319,661	2,380,590	2,391,510	4,772,100	21,851
1905.....	2,059,097	2,031,766	312,773	188,138	11,820	3,191	262,401	322,005	2,646,091	2,545,100	5,191,191	23,726
1906.....	2,271,776	2,264,476	292,705	155,595	24,420	5,506	202,276	309,567	2,791,177	2,735,144	5,526,321	25,498
1907.....	2,561,948	2,661,317	337,822	129,246	9,153	7,331	238,172	383,922	3,147,095	3,181,816	6,328,911	28,833

STATEMENT of the Tonnage of Canadian and United States Vessels, for the following years :—

UNITED STATES VESSELS.

YEARS.	FROM CANADIAN TO CANADIAN PORTS.		FROM CANADIAN TO UNITED STATES PORTS.		FROM UNITED STATES TO UNITED STATES PORTS.		FROM UNITED STATES TO CANADIAN PORTS.		TONS.		TOTAL TONS.	Number of Vessels.
	Up.	Down.	Montée.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
1887.....	16,265	17,925	38,857	56,708	143,730	140,562	52,793	98,840	251,645	315,035	566,680	3,883
1888.....	14,304	26,801	42,425	50,047	177,714	156,095	49,778	114,613	284,221	347,556	631,777	3,921
1889.....	21,125	26,449	55,996	50,732	253,088	206,567	56,249	160,442	386,458	444,190	830,648	4,542
1890.....	10,390	16,345	38,156	36,397	248,418	234,728	39,697	97,266	336,661	384,736	721,397	3,364
1891.....	10,357	29,851	70,665	27,727	283,013	238,818	31,083	146,602	395,118	442,998	838,116	3,602
1892.....	12,023	29,405	88,221	22,763	280,315	229,437	37,037	172,594	417,596	454,199	871,795	3,928
1893.....	10,752	34,303	214,047	33,741	351,994	282,724	50,994	307,740	627,787	658,508	1,286,295	4,585
1894.....	18,528	30,201	139,720	20,830	302,562	269,788	37,406	192,992	498,216	513,811	1,012,027	4,131
1895.....	8,838	24,768	138,554	17,712	262,240	216,542	32,295	185,730	441,927	444,752	886,679	4,427
1896.....	11,496	19,093	195,228	21,953	357,205	292,359	40,416	290,370	604,345	623,775	1,228,120	4,650
1897.....	14,666	18,367	269,430	17,618	338,938	277,345	26,341	347,698	649,375	661,028	1,310,403	4,675
1898.....	12,142	9,541	233,524	32,880	308,878	305,464	32,331	336,004	586,875	683,889	1,270,764	4,264
1899.....	17,217	18,044	172,897	30,002	1,605,887	1,156,503	51,902	234,336	1,846,848	1,438,885	3,285,733	6,101
1900.....	13,316	17,824	157,689	30,443	1,208,725	744,276	45,741	190,971	1,425,471	983,514	2,408,985	5,502
1901.....	11,587	18,706	177,169	28,124	922,464	1,044,707	51,895	224,622	1,166,115	1,316,159	2,482,274	5,634
1902.....	13,622	37,871	187,826	70,641	1,756,948	1,654,672	123,257	241,602	2,081,653	2,004,786	4,086,439	6,433
1903.....	14,014	24,168	265,208	65,247	1,736,187	1,689,414	106,401	335,836	2,121,810	2,114,665	4,236,475	6,695
1904.....	10,122	16,890	275,721	39,993	1,464,316	1,475,085	68,081	305,697	1,818,240	1,837,665	3,655,905	6,253
1905.....	19,743	19,444	364,985	81,876	2,350,494	1,701,704	101,536	456,459	2,836,758	2,259,483	5,096,241	7,085
1906.....	34,306	15,324	356,259	78,561	2,738,623	1,928,131	115,675	418,436	3,244,863	2,440,452	5,685,315	7,319
1907.....	57,349	72,018	304,591	72,048	4,730,053	5,376,060	205,769	623,941	5,463,767	6,141,067	11,604,834	9,328

Tonnage of Articles carried through Canadian Canals, from 1888 to 1907.

Articles.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.
1. Bricks	13,635	10,299	12,359	14,273	12,001	14,727	10,725	9,122	10,855	10,903
2. Cement.....	16,878	6,432	3,164	5,406	4,822	10,754	10,591	9,652	7,829	12,820
3. Iron (all kinds)	32,756	44,186	39,798	22,167	17,986	30,197	25,837	28,471	30,334	41,949
4. Steel	39	10,056	198	7,067	3,606	1,258	1,565	2,759	13,716	6,854
5. Stone for cutting	13,298	19,930	13,891	13,750	3,972	357	166	1,243	1,359	1,713
6. Apples	3,387	3,695	4,329	7,566	7,190	3,929	5,160	3,473	16,716	5,204
7. Barley.....	8,588	8,821	14,185	27,840	16,504	20,700	29,358	10,186	15,328	19,168
8. Corn.....	202,516	356,446	344,261	197,604	196,913	450,330	174,279	173,269	339,092	395,753
9. Flour	23,830	11,416	20,706	20,684	25,746	26,136	43,751	50,343	49,576	15,930
10. Hay pressed.....	4,740	3,617	3,623	5,648	5,867	12,100	18,090	22,121	10,973	5,990
11. Meals (all kind)..	12,643	20,313	22,211	27,021	33,097	37,272	61,426	48,008	47,889	44,014
12. Oats	30,529	31,977	33,857	61,300	90,682	53,620	30,957	20,158	48,962	82,527
13. Potatoes	779	632	880	814	950	417	252	232	394	1,528
14. Seeds	9,405	10,804	2,273	10,273	5,776	6,193	4,612	182	5,645	1,576
15. Agric. Products Vegetables.	9,100	21,901	10,700	8,321	15,669	10,589	1,484	5,811	6,945	1,751
16. Cattle.....	967	950	1,303	1,220	879	788	808	723	877	1,199
17. Horses.....	638	610	728	693	844	773	774	2,568	931	878
18. Pork.....	1,078	1,971	1,190	1,152	870	608	1,331	811	1,177	945
19. Sheep	709	542	653	699	663	528	675	793	613	646
20. Marble	4,699	4,502	4,476	3,590	3,214	2,168	853	898	32	534
21. Sugar.....	10,423	9,160	8,624	4,112	9,886	13,246	31,586	16,050	23,737	14,243
22. Whisky	1,347	1,416	1,580	1,681	1,335	1,050	1,183	1,498	850	1,054
23. Firewood.....	135,048	100,636	109,785	115,089	169,971	220,516	177,905	202,938	218,204	271,112
24. Lumber sawn.....	798,449	899,209	745,929	673,020	760,251	671,926	642,742	587,226	600,580	595,522
25. Railway ties.....	25,966	16,022	10,799	10,165	12,589	9,418	3,926	6,383	4,440	9,558
26. Square timber.....	48,270	79,791	74,895	25,301	48,983	47,871	48,359	64,875	57,618	86,104
27. Saw logs	43,313	36,927	27,093	36,367	44,156	33,137	29,299	29,075	28,220	40,313
28. Coal.....	507,155	553,868	470,808	511,729	517,261	537,279	517,532	466,234	534,400	379,111
29. Iron ore.....	16,872	2,433	5,367	3	Nil.	Nil.	Nil.	60	490	Nil.
30. Timber and other woods free.	39,590	69,286	72,075	69,247	47,565	66,673	53,221	59,169	45,027	68,017
31. *Wheat, Corn, Flour, Iron, Salt, Coal ..	306,192	424,915	362,072	403,045	380,934	663,013	408,781	381,518	593,272	695,086
32. Wheat.....	155,248	185,180	143,952	230,840	301,486	285,799	279,720	209,984	335,469	370,167

* These articles were free, going westward, in the years when tolls were charged, and appear in this grouped form in the Statistics of the Department.

Tonnage of Articles carried through Canadian Canals from 1888 to 1907—Concluded.

Articles.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.
1. Bricks.	9,873	11,075	18,343	18,697	17,884	11,086	9,097	23,814	17,713	20,953
2. Cement.	19,351	6,938	10,628	20,079	22,614	28,600	25,539	31,942	45,619	78,347
3. Iron (all kinds)	26,979	27,158	46,153	79,415	118,916	135,160	123,121	145,260	218,801	226,674
4. Steel.	9,387	17,684	8,861	4,043	2,104	8,514	4,300	5,661	4,632	22,740
5. Stone for cutting.	2,785	5,364	2,432	2,539	3,228	4,961	576	23,511	31,937	35,969
6. Apples.	3,412	4,480	6,182	1,973	7,695	13,480	11,865	9,217	8,046	8,258
7. Barley.	15,510	28,353	26,754	27,699	38,137	51,003	75,538	114,226	123,950	154,986
8. Corn.	624,854	399,915	348,493	185,893	81,645	338,132	189,739	257,387	244,122	410,671
9. Flour.	34,061	39,618	97,545	171,400	357,104	359,848	260,630	243,938	297,937	378,644
10. Hay pressed.	5,880	15,492	25,998	38,277	41,537	50,129	32,576	33,354	26,811	25,121
11. Meals (all kind).	25,580	21,310	17,175	15,812	29,321	29,989	24,174	14,814	27,472	49,612
12. Oats.	75,079	65,495	96,062	72,978	46,717	66,621	72,723	101,258	209,286	343,984
13. Potatoes.	1,820	2,528	3,505	4,409	4,802	6,804	5,351	7,420	5,853	6,535
14. Seeds.	5,783	7,345	3,308	4,602	8,303	6,828	5,477	3,727	1,455	255,679
15. Agric. Products Vegetables.	3,320	2,952	1,909	2,663	9,178	3,219	2,688	6,470	4,805	10,978
16. Cattle.	1,515	1,299	972	1,386	1,538	1,236	1,766	1,468	932	552
17. Horses.	1,064	1,049	869	1,192	1,258	1,544	1,605	1,346	1,685	784
18. Pork.	3,412	2,317	1,074	1,720	1,740	1,483	1,337	1,213	834	1,185
19. Sheep.	451	535	501	557	743	302	605	616	514	332
20. Marble.	208	2,428	3,906	2,223	1,262	1,521	22	2,475	2,575	2,406
21. Sugar.	17,401	20,238	20,313	11,890	14,353	8,190	9,203	27,275	42,801	62,634
22. Whisky.	1,029	1,504	1,595	1,572	2,876	5,000	5,396	6,680	9,970	10,682
23. Firewood.	187,216	212,076	227,108	217,105	307,172	320,765	440,254	423,693	468,133	59,999
24. Lumber sawn.	593,261	597,109	521,282	472,954	557,607	583,522	476,436	591,028	645,257	533,294
25. Railway ties.	6,467	16,423	7,587	12,508	7,653	4,603	3,788	7,470	5,608	3,371
26. Square timber.	50,844	26,288	25,943	32,293	26,281	32,286	43,557	13,215	18,585	37,124
27. Saw logs.	23,887	13,919	34,684	19,073	24,144	20,540	26,630	58,949	90,929	35,628
28. Coal.	480,316	468,912	1,028,113	1,033,762	782,053	1,590,595	1,570,113	1,596,935	1,804,974	3,546,683
29. Iron ore.	13,433	26,420	1,058,052	1,712,320	2,556,279	2,703,827	2,482,181	2,959,300	2,970,637	10,105,016
30. Timber and other woods free.	28,952	32,624	38,296	48,666	68,615	68,487	64,808	68,629	70,015	.....
31. *Wheat, Corn, Flour, Iron, Salt, Coal.	652,349	454,895	352,499	280,902	395,078	558,897	427,614	553,866	709,320	.....
32. Wheat.	299,055	329,086	293,638	669,557	1,309,218	1,433,288	1,202,716	1,248,567	1,406,741	2,473,292

* Wheat, corn, flour, iron, salt and coal form grouped item No. 31, although the same commodities appear separately in the list. This was because they were free in the years when tolls were collected. Tolls having been abolished this item hereafter will not appear in the statistical tables in the above form. Item 12 includes flaxseed.

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It is gratifying to observe that not only has there been a very large increase in the aggregate volume of freight carried through the canals of Canada, but that a growing proportion of the traffic is in Canadian vessels, and from Canadian ports to Canadian ports. When the plan which is to be inaugurated this year—with respect to the country of origin—has been made effective, it will be possible to give an accurate analysis of the international character of our canal business.

The capital expenditure on the canals of Canada up to 31st March, 1907, aggregated \$91,734,718.21. This is apart from the outlay by the Imperial Government, the records relating to which were lost in the destruction by fire of the Ordnance Office, Montreal, in 1852. The details are as follows :—

Canal.	Construction.	Enlargement.	Total.
	\$ cts.	\$ cts.	\$ cts.
St. Peter's.....	648,547 14	.....	648,547 14
Lachine.....	2,589,532 85	9,008,217 93	11,597,750 78
Beauharnois.....	1,636,690 26	.....	1,636 690 26
St. Lawrence River and Canals.....	18,442 85	3,293,397 95	3,311,840 80
Lake St. Louis.....	.....	298,176 11	298,176 11
Lake St. Francis.....	.....	75,906 71	75,906 71
Cornwall ..	1,945,624 73	5,278,659 97	7,224,284 70
Williamsburg. { Farran's Point.....	.....	877,090 57	10,373,311 29
{ Galops.....	.....	6,006,626 92	
{ Rapide Plat.....	.....	2,158,242 00	
{ Williamsburg.....	1,320,655 54	10,696 26	
Welland.....	7,693,824 03	19,582,045 37	27,275,869 40
Ste. Anne's..	134,456 51	1,035,759 12	1,170,215 63
*Carillon and Grenville.....	63,053 64	4,119,039 32	4,182,092 96
Culbute.....	382,776 46	.....	382,776 46
Rideau ..	4,085,889 21	.....	4,085,889 21
St. Ours.....	121,537 65	.....	121,537 65
Chambly.....	637,056 76	.....	637,056 76
Murray.....	1,248,820 26	.....	1,248,820 26
Trent.....	5,430,488 66	.....	5,430,488 66
Tay.....	489,599 23	.....	489,599 23
Sault Ste. Marie.....	4,639,180 62	.....	4,639,180 62
Soulanges.....	6,904,683 58	.....	6,904,683 58
Total..	39,990,859 98	51,743,858 23	91,734,718 21

Through the much appreciated courtesy of Mr. Collingwood Schreiber, C.M.G., and Mr. Ernest Marceau, C.E., I have been able to present in an appendix certain important historical facts in relation to the canals of Canada which have not heretofore been available.

I have the honour to be, Sir,

Your obedient servant,

J. L. PAYNE,

Compt r

CANAL STATISTICS FOR SEASON OF NAVIGATION, 1907

For the season of navigation of 1906 and 1907, all the canals were declared free, consequently no tolls were collected for the present year. The statistics as compiled shows the revenue as it would appear if tolls had been collected.

Both the revenue and tonnage show a large increase on all the canals for the present year, as per statement herewith presented.

REVENUE.

The total revenue, exclusive of hydraulic rents for two years, is as follows :—

For 1906	\$ 379,549 70
For 1907	456,781 86

By comparing the statistics of 1906 with 1907, it will be seen that the gross revenue has increased \$77,232.16.

The increases and decreases are as follows :—

	Increase.	Decrease.
On the Welland Canal	\$ 52,376 23	\$
" St. Lawrence Canals	23,428 21	.....
" Chambly Canal	5,713 86	.....
" Ottawa Canals .....	.....	5,409 76
" Rideau Canals .....	.....	389 94
" St. Peter's Canal .....	.....	96 40
" Trent Valley Canals	252 36	.....
" Murray Canal	357 60	.....
" Sault Ste. Marie Canal .....	.....	.....
Total	\$ 83,128 26	\$ 5,896 10
Total increase	77,232 16	.....

STATEMENT of the Revenue, together with the increases and decreases of all the Canals for the seasons of Navigation from 1891 to 1907, inclusive.

Years.	Revenue.	Increase.	Decrease.
1891	\$ 350,351 97	\$ 2,292 46	.....
1892	358,711 04	8,359 07	.....
1893	348,012 00	.....	\$ 10,699 04
1894	307,824 67	.....	40,187 33
1895	283,211 41	.....	24,613 26
1896	350,061 03	66,849 62	.....
1897	346,758 87	.....	3,302 16
1898	341,679 23	.....	5,079 64
1899	291,652 37	.....	50,026 86
1900	269,116 25	.....	22,536 12
1901	250,949 57	.....	18,166 68
1902	227,577 93	.....	23,371 64
1903	333,086 86	105,518 93	.....
1904	291,676 97	41,419 89
1905	356,405 68	64,728 71
1906	379,549 70	23,144 02
1907	456,781 86	77,232 16

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GRAIN PASSED DOWN WELLAND.

The quantity of barley, corn, oats, pease, rye and wheat passed down the Welland Canal, from ports west of Port Colborne for a period of twenty-six years is as follows :—

QUANTITY PASSED DOWN TO MONTREAL.		QUANTITY ON WHICH FULL TOLLS WERE PAID. (Free for 1904.)	
		To ports in Ontario.	Quantity from U.S. Ports to U.S. Ports.
	Tons.	Tons.	Tons.
1882.....	180,694	.....	63,881
1883.....	186,814	10,650	121,876
1884.....	142,194	12,153	104,537
1885.....	96,569	11,909	117,346
1886.....	203,940	9,881	151,551
1887.....	185,034	11,838	134,868
1888.....	160,358	25,599	169,664
1889.....	267,769	19,075	213,766
1890.....	288,513	16,899	245,932
1891.....	295,509	6,805	202,710
1892.....	261,954	8,942	201,540
1893.....	501,806	25,555	222,958
1894.....	273,651	16,699	203,979
1895.....	231,491	32,096	133,823
1896.....	461,049	73,386	160,372
1897.....	* 560,254	53,257	157,756
1898.....	519,532	31,279	144,612
1899.....	332,746	40,197	68,011
1900.....	244,661	17,525	84,589
1901.....	151,566	13,732	83,370
1902.....	208,215	22,787	81,164
1903.....	351,936	29,062	111,828
1904.....	198,246	23,711	102,523
1905.....	341,431	42,061	129,270
1906.....	404,935	33,351	176,119
1907.....	635,573	42,032	163,295

* Of the quantity of grain passed down to Montreal there were transhippd at Ogdensburg, in 1891, 17,817 tons; in 1892, 4,341 tons; in 1893, 71,445 tons; in 1894, 23,030 tons; in 1895, 18,987 tons; in 1896, 77,355 tons; in 1897, 89,659 tons, in 1898, 40,257 tons; in 1899, 48,828 tons; in 1900, 38,403 tons; in 1901, 17,387 tons; in 1902, 34,030 tons; in 1903, 40,641 tons; none in 1904, 1905 nor 1906.

The tolls on grain for passage through the Welland Canal prior to 1884 were 20 cents a ton ; since that date, however, reductions have been made by Orders in Council from year to year as follows :—Upon the urgent request of forwarders and others interested in the grain trade, a reduction was made of one-half the usual rate of tolls on grain passing down the Welland Canal and the St. Lawrence Canals to Montreal ; and in 1885 tolls were reduced to 2 cents a ton, and thereafter from year to year, including 1891.

In 1892 the tolls were reduced to 2 cents a ton on grain passed down the Welland and St. Lawrence Canals and exported, and in such cases only.

In 1893 by Order in Council of February 13, the tolls were reduced to 10 cents a ton on grain passing eastward through the Welland Canal, irrespective of its destination, and the same rate of tolls for 1894 were allowed by O.C., April 16, 1894.

For the year 1895 (O.C., April 1, 1895), the same rate of tolls was allowed as was granted for the year 1894.

For the year 1896 (O.C., April 23, 1897), the same rate of tolls was allowed as was granted for the year 1895.

For the year 1897 (O.C., April 17, 1897), the same rate of tolls was allowed as was granted for the year 1896.

For the year 1898 (O.C., June 1, 1898), the same rate of tolls was allowed as was granted for the year 1897.

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For the year 1899 (O.C., April 10, 1899), the same rate of tolls was allowed as was granted for the year 1898.

For the year 1900 (O.C., February 20, 1900), the same rate of tolls was allowed as was granted for the year 1899.

For the year 1901 (O.C., May 3, 1901), the same rate of tolls was allowed as was granted for the year 1900.

For the year 1902 (O.C., April 1, 1902), the same rate of tolls was allowed as was granted for the year 1901.

For the year 1903, the canals were declared free of tolls. O.C., April 27, 1903.

For the year 1904, the canals were declared free of tolls. O.C., April 27, 1903.

For the year 1905, the canals were declared free of tolls. O.C., April 27, 1903.

For the year 1906, the canals were declared free of tolls. O.C., April 27, 1903.

For the year 1907, the canals were declared free of tolls. O.C., April 27, 1903.

The rate through the St. Lawrence Canals only was 10 cents a ton.

It may be remarked that goods having paid full tolls on the Welland Canal are allowed to pass down the St. Lawrence Canals to Montreal free from payment of any further tolls.

During the last decade the quantity of agricultural products as above, passed down the Welland and St. Lawrence Canals to Montreal, has increased from 519,535 tons in 1898 to 635,573 tons in 1907, and the quantity passed down the Welland Canal from United States ports to United States, has increased from 144,612 to 163,295 tons for the same years.

The quantity of barley, buckwheat, corn, oats, pease, rye and wheat, arrived at Montreal via Grand Trunk and Canadian Pacific Railways for a period of 13 years, is reported as follows :—

	Tons.
For 1895.....	51,114
1896.....	153,717
1897.....	228,611
1898.....	293,391
1899.....	209,170
1900.....	229,624
1901.....	227,700
1902.....	263,861
1903.....	253,959
1904.....	154,625
1905.....	148,377
1906.....	386,963
1907.....	383,735

The quantity of the same articles passed down the whole length of the St. Lawrence canals to Montreal for the same period was :—

	Tons.
For 1895.....	247,550
1896.....	495,898
1897.....	604,200
1898.....	575,097
1899.....	372,291
1900.....	295,928
1901.....	203,316
1902.....	242,225
1903.....	400,057
1904.....	220,076
1905.....	375,630
1906.....	449,673
1907.....	684,697

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Comparative shipments of grain by the St. Lawrence route, and rail and water via the State of New York, are as follows:—

QUANTITY OF GRAIN TO SEA BOARD BY COMPETING ROUTES.

The quantity of grain and pease passed down the whole length of the St. Lawrence canal to Montreal, is as follows:—

	Tons.
For 1906.....	404,935
1907.....	635,573
Showing an increase of.....	230,638

The quantity of grain and pease carried to Montreal via Canadian Pacific and Grand Trunk Railways, is reported as follows:—

	Tons.
For 1906.....	386,963
1907.....	383,735
Showing a decrease of.....	3,228

The quantity of grain arrived at the tide-water by New York canals, is reported as follows:—

	Tons.
For 1906.....	294,467
1907.....	239,844
Showing a decrease of.....	54,623

The quantity of grain carried to tide-water by the New York railways, is reported as follows:—

	Tons.
For 1906.....	3,942,771
1907.....	3,845,845
Showing a decrease of.....	96,926

The increases and decreases for 1907 as compared with 1906 on the several routes competing for the carrying trade to the sea board are as follows:—

	Increase.	Decrease.	Increase.	Decrease.
	Tons.	Tons.	Per cent.	Per cent.
On the St. Lawrence.....	230,638	.....	56.94	.....
" Canadian Pacific and Grand Trunk Railways.....	.....	3,228	.....	.84
" New York Canals.....	.....	54,623	.....	18.55
" " Railways.....	.....	96,926	.....	2.47

By reference to Appendix U, it will be seen that the quantity of freight from ports west of Port Colborne to the United States ports, Oswego, Ogdensburg, &c., has decreased from 312,349 tons in 1896 to 256,422 tons in 1907, and the quantity to Ontario ports between Port Dalhousie and Cornwall, and a decrease from 172,950 tons in 1896 to 168,455 tons in 1907. The quantity passed down to Montreal shows an increase from 479,442 tons in 1896 to 789,167 tons in 1907.

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TRANSHIPMENT OF GRAIN.

The quantity of grain passed down the Welland Canal in Canadian and United States vessels to Kingston and Prescott for fifteen years, is as follows :—

In Canadian vessels there were in—

				Tons.
1893,	146	cargoes, with an aggregate quantity of'	.....	148,962
1894,	125	"	"	159,145
1895,	123	"	"	136,617
1896,	196	"	"	227,912
1897,	180	"	"	229,265
1898,	166	"	"	224,021
1899,	162	"	"	221,306
1900,	325	"	"	183,200
1901,	112	"	"	132,558
1902,	131	"	"	175,514
1903,	170	"	"	218,840
1904,	115	"	"	174,121
1905,	167	"	"	239,418
1906,	205	"	"	344,605
1907,	255	"	"	427,813

In the United States vessels there were is—

				Tons.
1893,	257	cargoes, with an aggregate quantity of	.....	328,269
1894,	84	"	"	106,236
1895,	56	"	"	73,987
1896,	158	"	"	217,978
1897,	197	"	"	285,847
1898,	339	"	"	464,852
1899,	167	"	"	205,571
1900,	259	"	"	163,575
1901,	135	"	"	123,229
1902,	135	"	"	136,652
1903,	219	"	"	273,986
1904,	118	"	"	150,359
1905,	235	"	"	273,344
1906,	178	"	"	269,800
1907,	263	"	"	413,087

One hundred and two Canadian and 14 American vessels took cargoes of 168,796 tons through to Montreal intact in 1907; 74 Canadian and 10 American of 108,734 tons in 1906; 96 Canadian and 18 American of 180,206 in 1905; 56 Canadian and 16 American of 116,095 tons in 1904; 56 Canadian and 18 American of 99,582 tons in 1903; 19 Canadian and 17 American of 34,804 tons in 1902; 23 Canadian and 2 American of 17,303 tons in 1901, 15 of 7,924 tons in 1900, 2 of 558 tons in 1899, 7 of 2,426 in 1898, 7 of 2,324 in 1897, 3 of 1,176 in 1896, 4 of 1,344 tons in 1895, 2 cargoes of 810 tons in 1894, none in 1893, 2 in 1892 of 924 tons, and 3 in 1891 of 1,441 tons. Three vessels lightened a portion of their cargoes in 1901, 9 in 1900, 11 in 1899, 25 in 1898, 11 in 1897, 16 in 1896, 6 in 1895, 19 in 1894, 34 in 1893, 25 in 1892, and 44 in 1891; 222 vessels discharged the whole of their cargoes at Kingston in 1901, 540 in 1900, 316 in 1899, 473 in 1898, 359 in 1897, 335 in 1896, 169 in 1895, 188 in 1894, 369 in 1893, 220 in 1892, and 293 in 1891.

The quantity of grain transhipped at Port Colborne in 1907 and the four previous years is given below.

The total number of grain-laden vessels lightened at this port in 1907 was 93, against 72 the previous year.

The quantity of grain lightened was as follows :—

Articles.	1903.	1904.	1905.	1906.	1907.
	Bush.	Bush.	Bush.	Bush.	Bush.
Wheat... ..	670,302	175,117	679,840	1,009,474	1,428,300
Corn... ..	834,718	408,976	104,027	110,629	112,036
Rye... ..	13,768				
Oats... ..	2,765	15,353		29,118	30,824
Barley... ..	13,242	9,686		2,103	
Flax Seed... ..					39,040

The quantity of wheat discharged at Port Colborne in 1907 and two previous years from vessels which did not enter the canal, is as follows :—

	1905.	1906.	1907.
	Bush.	Bush.	Bush.
	108,459	383,437	74,014

WELLAND CANAL.

The total quantity of freight passed on the Welland Canal during the season of 1907 was 1,614,132 tons ; of this quantity 9,811 tons were way or local freight.
There were 1,223,968 tons of freight passed eastwards, and 390,164 passed westwards.

East and west bound Through Freight.

The total quantity of through freight passed through the whole length of the Welland Canal during the season of 1907 was 1,604,321 tons.
Of this quantity 1,214,544 tons were east bound and 389,777 west bound freight.
Of the east bound through freight, Canadian vessels carried 593,384 tons and United States vessels carried 621,160 tons ; and of the west bound through freight Canadian vessels carried 143,456 tons and United States vessels carried 246,321 tons, or a total of 736,840 tons for Canadian and 867,481 tons for American vessels.

ST. LAWRENCE CANALS.

The total quantity of freight passed through these canals during 1907 was 2,100,466 tons ; of this quantity 1,316,354 tons passed eastward and 784,112 passed westward.

East and west bound Through Freight.

The total quantity of through freight was 1,607,257 tons ; of this quantity 1,206,824 tons were east bound and 400,433 tons were west bound.

Way Freight.

Of the total quantity of (way) or local freight 109,530 tons were east bound and 383,679 tons west bound freight.

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THROUGH TRAFFIC BETWEEN MONTREAL AND PORTS ON LAKE ERIE, MICHIGAN, ETC.

The total quantity of through freights passed eastward and westward through the Welland and St. Lawrence canals, from Lake Erie to Montreal during fifteen years, is as follows :—

	Eastward to Montreal. Tons.	Westward from Montreal. Tons.
1893.....	508,016	16,545
1894.....	292,191	9,439
1895.....	266,659	10,555
1896.....	480,077	10,050
1897.....	584,246	4,542
1898.....	538,108	4,436
1899.....	354,933	5,991
1900.....	288,251	6,217
1901.....	184,420	13,714
1902.....	250,475	25,289
1903.....	390,786	100,699
1904.....	278,328	71,512
1905.....	448,704	72,482
1906.....	554,231	96,791
1907.....	789,167	1,281

THROUGH FREIGHT FROM UNITED STATES PORTS TO UNITED STATES PORTS.

The total quantity of through freight passed eastward and westward through the Welland Canal, from United States ports to United States ports, for a period of fifteen years, is as follows :—

	Eastward. Tons.	Westward. Tons.	Total. Tons.
1893.....	384,559	247,108	631,667
1894.....	361,319	230,948	592,267
1895.....	255,259	214,520	469,779
1896.....	385,695	267,518	653,213
1897.....	353,863	210,831	564,694
1898.....	277,023	210,516	487,539
1899.....	225,491	135,038	360,529
1900.....	218,969	99,560	318,529
1901.....	190,476	83,543	274,019
1902.....	224,110	44,919	269,029
1903.....	221,074	149,151	370,225
1904.....	165,337	87,144	252,481
1905.....	190,547	112,549	303,096
1906.....	237,226	84,205	321,431
1907.....	218,997	177,660	396,657

The total quantity of freight passed through the Welland Canal from United States ports to United States ports shows an increase of 75,226 tons as compared with the previous year ; and a decrease of 235,010 tons as compared with 1893.

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The following statement shows the aggregate number of vessels, and the total quantity of freight passed through the Welland Canal, and the quantity passed between United States ports during the years 1867 to 1907 inclusive:—

Fiscal Year.	Aggregate number of Vessels.	Total quantity transported on the Welland Canal.	Quantity passed from United States ports to United States ports.
	Number.	Tons.	Tons.
1867.....	5,405	933,260	458,386
1868.. ..	6,157	1,161,821	641,711
1869....	6,069	1,231,903	688,700
1870.....	7,356	1,311,956	747,567
1871.. ..	7,729	1,478,122	772,756
<i>Season of navigation.</i>			
1872.....	6,063	1,333,104	606,627
1873.....	6,425	1,506,484	656,208
1874.....	5,814	1,389,173	748,557
1875.. ..	4,242	1,038,050	477,809
1876.....	4,789	1,099,810	488,815
1877.....	5,129	1,175,398	493,841
1878.....	4,429	968,758	373,738
1879.....	3,960	865,664	284,043
1880.....	4,104	819,934	179,605
1881.....	3,332	686,506	194,173
1882.....	3,334	790,643	282,806
1883.....	3,267	1,005,156	432,611
1884.....	3,138	837,811	407,079
1885.....	2,738	784,928	384,509
1886.....	3,589	980,135	464,478
1887.....	2,785	777,918	340,501
1888.....	2,647	878,800	434,753
1889.....	2,975	1,085,273	563,584
1890.....	2,883	1,016,165	533,957
1891.....	2,594	975,013	553,800
1892.....	2,615	955,554	541,065
1893.....	2,843	1,294,823	631,667
1894.....	2,412	1,008,221	592,267
1895.....	2,222	869,595	469,779
1896.....	2,766	1,279,987	653,213
1897.. ..	2,725	1,274,292	564,694
1898.. ..	2,384	1,140,077	487,539
1899.....	2,202	789,770	360,529
1900.....	2,399	719,360	318,529
1901.....	1,547	620,209	274,019
1902.....	1,568	665,387	269,029
1903.....	1,787	1,002,919	370,225
1904.....	1,433	811,371	252,481
1905.....	1,595	1,092,050	305,096
1906.....	1,536	1,201,967	321,431
1907.....	1,982	1,614,132	396,743

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The total quantity of freight passed through the several divisions of the canals during the season of 1907 is as follows:—

	Farm Stock.	Forest Produce of Wood.	Manufac- tures.	Merchan- dise.	Agricultural Products.	Total.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Welland.....	1	170,097	124,035	372,696	947,303	1,614,132
St. Lawrence.	766	359,833	174,268	741,404	824,195	2,100,466
Chambly.....	182	482,025	7,578	123,645	11,852	625,282
Ottawa.....	766	271,257	2,333	56,015	7,479	337,850
Rideau.....	8	30,018	7,618	37,807	6,918	82,369
St. Peters.....	4	8,527	3,188	48,330	13,118	73,167
Murray.....	23	2,926	6,073	38,618	4,762	52,402
Trent Valley.....	445	63,128	909	4,447	877	69,806
Sault Ste. Marie.....	51	97,989	223,956	12,933,101	2,333,068	15,588,165

The total quantity of freight moved on the Welland Canal was 1,614,132 tons, of which 947,303 tons were agricultural products.

On the St. Lawrence canals the total quantity of freight moved was 2,100,466 tons, of which 824,195 were agricultural products. and 741,404 tons were merchandise.

On the Ottawa canals the total quantity of freight moved was 337,850 tons ; of this quantity 271,257 tons were the produce of the forest.

STATISTISCAL COMPARISON OF VARIOUS UNITED STATES ROUTES.

The statistical comparisons heretofore given in respect to the quantities of the principal articles carried through the Welland Canal, and those carried over routes in the United States, in competition with that work, have been continued to date.

By reference to statement H, as to the quantity of vegetable food carried to tide-water it will be observed that that the quantity carried by the New York Canals was 521,111 tons in 1907, 572,080 tons in 1906, 346,200 tons in 1905, 361,333 tons in 1904, 512,601 tons in 1903. 489,053 in 1902, 557,099 in 1901, 472,857 in 1900, 577,486 in 1899, 653,027 in 1898, 744,575 in 1897, 957,182 in 1896, 606,505 in 1895, 1,400,129 in 1894, 1,450,116 in 1893, 937,999 in 1892, and 1,092,385 in 1891.

The quantities of vegetable food carried by the New York Central, Erie and New York, West Shore and Buffalo Railways being:—

In	Tons.	In	Tons.
1907.....	5,349,284	1893.....	5,107,426
1906.....	5,350,042	1892.	5,913,013
1905.....	4,475,888	1891.....	5,565,381
1904.....	4,632,082	1890.....	4,336,199
1903.....	5,548,603	1889.....	3,654,984
1902.....	6,532,263	1888.....	3,197,734
1901.....	3,334,001	1887.....	*3,847,766
1900.....	6,053,005	1886.....	*3,802,262
1899.....	6,211,827	1885.....	4,105,594
1898.....	7,060,542	1884.....	3,639,805
1897...	5,673,638	1883.....	4,422,461
1896.....	5,183,540	1882.....	3,885,557
1895.....*	3,798,574	1880.....	4,732,385
1894.....	4,281,056	1869.....	1,087,809

* Flour and grain only.

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The following figures are an abstract of the quantities of vegetable food carried to tide water by the canals and railways of the State of New-York during thirty-eight years :—

	Canals.	Railways.	Total.	Proportions by Canals.
	Tons.	Tons.	Tons.	Tons.
1869.....	1,302,613	1,087,809	2,390,342	·545
1870.....	1,295,010	1,766,467	3,061,467	·423
1871.....	1,850,198	2,205,589	4,055,787	·456
1872.....	1,674,320	1,870,614	3,544,934	·472
1873.....	1,745,171	2,036,992	3,782,163	·461
1874.....	1,767,598	2,791,517	4,559,115	·387
1875.....	1,305,550	2,343,241	3,648,791	·357
1876.....	1,064,293	2,875,803	3,940,096	·270
1877.....	1,498,984	2,493,683	3,992,667	·375
1878.....	1,912,734	3,695,764	5,608,498	·341
1879.....	1,833,399	4,353,617	6,187,016	·296
1880.....	2,371,090	4,732,385	7,103,475	·333
1881.....	1,116,561	4,983,722	6,100,283	·183
1882.....	1,118,776	3,885,557	5,004,333	·223
1883.....	1,379,000	4,422,461	5,801,461	·237
1884.....	1,236,986	3,639,805	4,876,791	·253
1885.....	1,063,310	4,105,594	5,168,904	·205
1886.....	1,489,886	3,800,262	5,292,148	·281
1887.....	1,539,403	3,847,766	5,387,169	·285
1888.....	1,166,958	3,197,734	4,364,692	·267
1889.....	1,296,896	3,654,984	4,951,880	·262
1890.....	1,167,901	4,336,199	5,504,100	·212
1891.....	1,092,355	3,565,381	4,657,736	·234
1892.....	937,999	5,913,013	6,851,012	·137
1893.....	1,452,563	5,107,426	6,599,989	·284
1894.....	1,400,129	4,281,056	5,681,185	·327
1895.....	602,505	3,798,574	4,401,079	·159
1896.....	957,182	5,183,540	6,140,722	·156
1897.....	744,575	5,673,638	6,418,213	·116
1898.....	653,027	7,060,542	7,713,569	·085
1899.....	577,486	6,211,827	6,789,313	·086
1900.....	472,857	6,053,005	6,525,862	·073
1901.....	557,099	6,334,001	6,891,100	·081
1902.....	489,053	6,532,263	7,021,316	·069
1903.....	512,601	5,548,603	6,061,204	·081
1904.....	361,333	4,632,082	4,993,415	·073
1905.....	346,200	4,475,888	4,822,088	·072
1906.....	572,080	5,350,042	5,992,122	·097
1907.....	521,111	3,845,845	4,366,956	·119

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COMPARATIVE STATEMENT OF TRAFFIC BY RAILWAYS AND CANALS VIA THE STATE
OF NEW YORK.

On reference to the returns made by the railways to the state authorities of New York, and to the canal statistics submitted to the state legislature, I find that of the total tonnage of freight carried by the canals and railways, the state canals carried :—

	Per cent.		Per cent.
In 1850.....	68·9	In 1888.....	18·8
1869.....	47·0	1889.....	15·1
1870.....	38·9	1890.....	13·9
1871.....	38·9	1891.....	13·4
1872.....	40·1	1892.....	9·8
1873.....	34·9	1893.....	10·1
1874.....	31·7	1894.....	10·2
1875.....	28·4	1895.....	9·7
1876.....	24·6	1896.....	8·5
1877.....	28·3	1897.....	8·3
1878.....	27·1	1898.....	6·9
1879.....	23·7	1899.....	7·2
1880.....	25·1	1900.....	5·2
1881.....	18·5	1901.....	5·1
1882.....	19·0	1902.....	5·5
1883.....	18·7	1903.....	5·6
1884.....	19·0	1904.....	4·6
1885.....	17·1	1905.....	4·5
1886.....	16·9	1906.....	4·5
1887.....	16·3	1907.....	4·4

The quantity of freight carried by the canals and railways was more in 1907 by 5,332,563 tons than the quantity carried in 1906, and an increase of 75,123,611 tons over 1869.

The quantities carried were as follows :—

	Total Tonnage.	Proportion by canals.
In 1859.....	5,485,076	·6890
1869.....	12,453,174	·4705
1870.....	15,148,174	·3895
1871.....	15,844,152	·3896
1872.....	16,631,609	·4012
1873.....	18,200,208	·3497
1874.....	18,283,547	·3174
1875.....	17,101,758	·2841
1876.....	16,948,627	·2462
1877.....	17,489,770	·2833
1878.....	19,017,301	·2719
1879.....	22,590,766	·2373
1880.....	25,706,586	·2512
1881.....	27,857,394	·1859
1882.....	28,693,054	·1905
1883.....	30,167,119	·1877
1884.....	26,293,844	·1905
1885.....	27,543,948	·1718
1886.....	31,168,744	·1698
1887.....	34,029,791	·1632
1888.....	26,244,610	·1883
1889.....	35,466,042	·1514

QUANTITY of freight carried—*Concluded.*

	Total Tonnage.	Proportion by Canals.
1890.....	37,624,199	·1394
1891.....	38,524,179	·1343
1892.....	43,618,569	·0982
1893.....	42,953,233	·1009
1894.....	37,916,412	·1024
1895.....	36,170,339	·0967
1896.....	43,756,051	·0849
1897.....	43,711,512	·0828
1898.....	49,311,030	·0682
1899.....	51,702,761	·0713
1900.....	65,433,541	·0512
1901.....	65,640,837	·0506
1902.....	72,075,774	·0549
1903.....	72,283,508	·0559
1904.....	68,510,495	·0459
1905.....	73,753,141	·0458
1906.....	82,244,222	·0458
1907.....	87,576,785	·0405

Average freight rates, grain, Chicago to Buffalo :—(as reported by the Secretary Merchants' Exchange, Buffalo) :—

Year.	Wheat.	Year.	Wheat.
1881.....	3·2	1895.....	1·9
1882.....	2·5	1896.....	1·7
1883.....	3·5	1897.....	1·5
1884.....	2·1	1898.....	1·5
1885.....	2·0	1899.....	2·5
1886.....	3·6	1900.....	1·8
1887.....	4·1	1901.....	1·6
1888.....	2·7	1902.....	1·5
1889.....	2·5	1903.....	1·4
1890.....	1·9	1904.....	1·5
1891.....	2·5	1905.....	1·7
1892.....	2·2	1906.....	1·7
1893.....	1·6	1907.....	1·5
1894.....	1·2		
		Average twenty-seven years	2·2

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COMPARATIVE STATEMENT of the Commerce through the United States, St. Mary's Falls Canals and Canadian Sault Ste. Marie Canal, for the seasons of 1906 and 1907.

	Traffic of 1906.		Total Traffic for		Increase.	Decrease.
	United States canal.	Canadian Canal.	Season of 1907.	Season of 1906.	Amount.	Amount.
Vessels Number	14,091	6,349	20,440	22,155		1,715
Lockages "	9,424	4,596	14,020	14,523		503
Tonnage registered.....Net tons	32,001,110	12,115,969	44,117,079	41,148,917	2,968,162	
" freight..... "	42,631,846	15,588,165	58,220,011	51,754,331	6,465,680	
Passengers.....Number	32,875	30,660	63,535	63,209	326	
Coal (hard).....Net tons	1,261,428	260,590	1,522,018	1,016,580	605,438	
" (soft) "	7,636,668	2,273,237	9,909,905	7,727,820	2,182,085	
Flour.....Barrels	3,406,322	3,109,113	6,515,435	6,539,537		24,102
Wheat... ..Bushels	48,842,276	49,397,984	98,240,260	84,366,309	13,873,951	
Grain (excluding wheat).. "	21,040,692	16,806,490	37,847,182	54,364,759		16,517,577
Manufactured & pig iron.Net tons	203,398	127,245	330,643	451,948		121,305
Salt... ..Barrels	389,843	71,029	460,872	468,343		7,471
Copper.....Net tons	74,302	19,384	93,686	108,548		14,862
Iron ore "	29,521,033	10,066,079	39,587,112	35,401,261	4,186,851	
Lumber.....ft. B.M.	600,714,000	37,601,546	638,315,546	887,519,198		249,203,652
Silver ore.....Net tons						
Building stone..... "	678	23,674	24,352	7,567	16,785	
Unclassified freight..... "	524,897	590,632	1,115,529	947,635	167,894	

The United States canal was open to navigation during the season of—

1889.....	234 days	1899.....	231 days
1890.....	228 "	1900.....	238 "
1891.....	225 "	1901.....	230 "
1892.....	233 "	1902.....	256 "
1893.....	219 "	1903.....	249 "
1894.....	234 "	1904.....	223 "
1895.....	231 "	1905.....	245 "
1896.....	232 "	1906.....	249 "
1897.....	234 "	1907.....	233 "
1898.....	241 "		

The Canadian canal was open to navigation during the season of—

1895.....	87 days	1902.....	264 days
1896.....	218 "	1903.....	256 "
1897.....	238 "	1904.....	241 "
1898.....	243 "	1905.....	255 "
1899.....	239 "	1906.....	253 "
1900.....	238 "	1907.....	238 "
1901.....	246 "		

The average number of vessels passing per day through the two canals for the season of 1907 was eighty-seven.

R. DEVLIN,
Compiler of Canal Statistics.

OTTAWA, May 8, 1908.

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C—TABLE showing the Tonnage of the undermentioned Articles moved

Years.	VEGETABLE FOOD.						
	Flour.	Wheat.	Corn.	Barley.	Oats.	Rye.	Other Vegetable Food.*
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
1869.....	71,051	670,534	256,475	99,012	92,309	13,489	99,743
1870.....	54,978	658,524	193,129	123,191	117,941	19,520	127,727
1871.....	41,211	748,549	672,057	113,992	129,891	34,563	109,935
1872.....	20,534	403,903	902,753	120,061	92,959	13,357	120,753
1873.....	19,307	803,064	637,296	70,586	70,023	30,160	114,735
1874.... .	29,134	772,163	519,203	98,654	59,408	8,215	280,821
1875.....	17,635	744,293	282,031	104,475	62,717	8,309	86,090
1876.....	9,290	416,376	365,254	96,494	52,147	19,949	104,783
1877.....	8,923	448,043	723,458	139,453	66,045	35,948	77,114
1878.....	5,904	844,555	734,993	89,534	85,029	64,613	88,106
1879.....	7,164	949,466	621,180	96,144	23,164	59,210	77,071
1880.....	8,266	966,052	1,156,619	106,247	20,893	26,340	86,673
1881.....	6,926	444,832	475,823	81,587	30,321	15,484	61,588
1882.....	9,372	642,215	251,687	96,650	22,180	43,372	53,300
1883.....	9,047	573,740	522,978	58,787	51,607	95,246	67,595
1884.....	7,251	790,409	198,216	65,008	52,696	71,462	51,944
1885.....	6,869	565,922	359,982	64,587	8,234	10,211	47,505
1886.....	9,005	993,129	354,765	62,854	7,278	3,073	59,782
1887.....	4,089	936,840	446,617	75,458	35,365	6,717	47,678
1888.....	3,287	491,419	499,218	41,100	70,315	12,532	49,087
1889.....	4,429	484,141	592,550	66,110	63,674	36,329	49,663
1890.....	3,489	353,738	616,702	90,754	48,438	21,657	33,123
1891.....	3,126	756,101	142,141	71,903	16,362	68,771	33,951
1892.....	4,879	620,768	150,269	51,596	72,444	4,236	33,807
1893.....	2,367	1,093,927	252,283	49,651	24,714	6,518	20,656
1894.....	2,909	903,361	275,377	89,700	100,874	5,288	22,620
1895	2,240	280,550	94,403	77,868	87,839	205	59,400
1896.....	7,963	408,872	100,227	109,967	197,713	77,210	55,230
1897.....	3,206	180,035	312,776	100,337	50,345	66,387	31,489
1898.....	1,854	69,986	364,248	89,906	76,244	7,745	43,044
1899.....	1,247	282,422	92,670	78,627	93,733	5,931	22,856
1900.....	1,171	138,302	189,013	63,204	36,435	10,478	34,254
1901.....	747	214,854	87,392	55,502	88,521	10,326	99,757
1902.....	1,328	291,938	33,001	75,314	44,678	18,503	24,291
1903.....	1,075	143,832	191,351	71,837	62,326	12,027	30,153
1904.... .	1,297	101,260	68,381	88,626	82,824	2,631	16,584
1905.....	230	110,085	26,223	96,847	94,437	3,717	14,661
1906.	300	190,663	134,413	120,497	104,726	3,992	17,489
1907.... .	179	251,777	89,623	92,102	64,001	2,155	21,274

* Apples, meal of all kinds, potatoes.

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on all Canals in the State of New York, during a series of thirty-nine years.

HEAVY GOODS.						
Total.	Railway Iron.	Other Iron.	Salt.	Coal.	Ores.	Total.
Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
1,302,613	137,677	79,652	263,333	1,324,408	183,992	1,989,062
1,295,010	135,930	89,708	266,740	1,558,185	238,802	2,289,365
1,850,198	178,269	100,310	248,709	1,194,037	289,952	2,011,277
1,674,320	161,667	96,996	248,558	1,462,590	377,592	2,347,403
1,745,171	53,363	62,581	216,706	1,625,859	415,968	2,374,477
1,767,598	24,511	82,955	173,590	1,413,162	232,544	1,926,762
1,305,550	36,603	95,305	186,785	1,217,091	283,219	1,819,003
1,064,293	11,691	69,450	114,070	1,036,698	173,530	1,405,439
1,498,984	10,341	58,828	156,918	1,286,881	250,573	1,763,541
1,912,734	8,385	65,642	139,927	889,873	210,078	1,313,905
1,833,399	27,634	99,568	136,021	971,074	314,411	1,548,708
2,371,090	93,613	139,993	144,487	959,342	370,884	1,709,319
1,116,561	78,650	205,005	113,756	1,092,003	337,873	1,827,287
1,118,776	58,921	122,786	108,040	1,228,435	364,361	1,882,543
1,379,000	46,553	47,412	190,392	1,152,849	293,892	1,731,098
1,236,986	28,513	54,471	161,788	954,288	210,610	1,400,670
1,063,310	12,215	38,726	161,272	1,025,941	195,750	1,433,904
1,489,886	10,878	152,030	112,002	857,884	269,914	1,402,708
1,552,764	21,368	224,979	124,054	905,424	243,578	1,539,403
1,166,958	2,596	43,881	106,344	1,219,680	259,269	1,631,770
1,296,896	3,278	78,135	112,100	1,094,897	234,948	1,522,358
1,167,901	5,800	26,804	93,181	830,154	202,072	1,157,291
1,092,355	1,960	36,770	81,232	881,502	215,686	1,217,150
937,999	524	40,073	93,216	832,397	136,612	1,102,822
1,450,116	536	25,204	52,094	741,934	102,275	922,043
1,400,129	267	22,614	70,353	609,368	37,641	740,243
602,505	4,263	59,402	71,334	766,723	144,076	1,045,798
957,182	1,568	74,651	83,309	682,167	89,998	931,692
744,575	5,080	71,117	66,879	646,803	76,311	866,190
653,027	6,288	101,216	85,525	626,616	73,199	892,844
577,486	2,725	69,106	91,068	777,743	205,234	1,145,876
472,857	833	49,036	88,635	809,187	103,514	1,051,205
557,099	709	30,110	100,080	774,538	90,656	996,093
489,053	15	24,077	111,430	567,911	115,983	819,416
512,601	181	21,577	111,955	733,369	101,752	968,834
361,333	40	25,321	109,711	707,340	80,191	922,603
346,200	1,030	26,409	108,801	646,440	62,574	845,254
572,080	.....	18,162	154,580	545,941	31,446	750,129
521,111	.....	7,779	90,077	593,056	29,585	720,497

D-TABLE showing the total Tonnage of the undermentioned Articles moved Up and Down

Year.	VEGETABLE FOOD.						
	Flour.	Wheat.	Corn.	Barley.	Oats.	Rye.	Other Articles. †
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
1869*	45,674	313,825	120,599	20,951	.....	904	1,937
1872	26,651	239,998	254,902	6,035	7,752	64	2,745
1873	30,665	355,847	180,169	8,225	1,194	3	3,777
1874	24,019	413,212	181,151	18,871	5,954	513	8,677
1875	13,964	253,835	103,749	35,751	3,383	917	6,337
1876	15,778	201,906	144,501	18,455	24,496	1,454	3,198
1877	13,558	253,953	169,196	19,870	2,810	2,439	2,355
1878	9,121	191,982	185,931	10,979	3,088	.....	2,302
1879	10,710	274,570	144,506	4,655	1,239	440	2,444
1880	12,679	242,020	163,738	17,772	477	1,016	1,480
1881	9,959	127,832	101,075	24,509	.....	1,844	2,086
1882	12,261	215,056	54,799	20,126	611	3,226	403
1883	13,471	152,794	182,269	10,436	731	1,642	10,983
1884	13,683	144,851	118,811	7,155	10,746	1,320	9,168
1885	13,334	124,206	117,536	15,801	1,116	.....	1,912
1886	19,474	154,169	219,442	1,595	4,911	564	14,657
1887	23,949	221,927	114,938	9,574	12,050	.....	12,533
1888	16,983	160,963	194,886	5,906	26,629	811	13,608
1889	7,931	126,664	353,595	4,272	28,356	2,673	18,552
1890	14,461	118,002	327,394	10,830	27,728	1,549	20,876
1891	13,517	198,658	185,180	8,113	52,959	65,888	28,042
1892	17,046	232,019	192,548	6,433	37,173	9,392	32,815
1893	15,235	258,392	441,092	18,599	31,283	3,671	36,981
1894	33,628	270,993	169,233	28,353	27,962	567	60,673
1895	44,044	203,088	164,894	8,689	18,236	1,007	46,463
1896	42,425	320,563	320,444	11,368	28,178	9,405	56,591
1897	9,065	324,743	390,615	14,173	25,161	8,483	44,674
1898	5,578	207,647	437,861	12,286	17,502	16,127	23,182
1899	11,625	197,732	204,004	2,907	24,037	923	18,460
1900	10,968	137,800	163,509	4,035	41,055	3,538	14,815
1901	18,978	151,586	67,756	7,119	28,485	2,961	14,024
1902	22,282	225,171	67,647	7,418	11,232	4,079	12,963
1903	25,998	259,031	210,758	14,656	7,911	4,904	13,994
1904	35,049	165,138	116,444	27,171	16,582	.....	13,184
1905	38,512	254,458	180,921	55,432	36,072	1,711	9,883
1906	18,294	326,798	211,805	31,446	49,306	1,784	10,739
1907	22,739	488,565	271,693	13,240	73,369	2,270	22,683

* Fiscal. † Apples, meal all kinds, pease, potatoes.

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through the Welland Canal, during a period of thirty-seven years, ended Dec. 31, 1907.

HEAVY GOODS.							
Total.	Railway Iron.	Other Iron.	Salt.	Iron and Salt having paid full tolls on St. Lawrence Canals.	Coal.	Ores.	Total.
Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
503,860	468,06	16,924	91,575	37,153	103,126	58,781	275,623
538,147	26,217	17,141	50,540	44,243	186,932	98,605	3,678
579,880	6,923	20,754	40,850	17,157	339,016	118,685	43,387
647,397	6,032	12,068	23,309	9,579	323,503	56,825	431,316
417,936	1,517	7,588	13,509	9,962	321,306	43,683	397,565
409,788	51	7,997	30,300	20,327	288,211	81,654	378,540
464,181	9,630	9,696	9,173	3,983	323,869	42,758	399,109
403,403	10	11,518	3,980	12,686	295,318	15,229	338,741
438,564	2,782	5,797	7,174	17,796	192,957	19,164	245,670
442,182	5,360	4,812	413	22,273	109,986	34,139	176,983
269,395	4,585	7,013	10	30,682	128,113	18,785	189,188
306,482	.....	5,348	50	17,327	237,559	23,700	283,984
373,326	1,237	7,922	66	17,037	307,058	31,785	365,105
305,734	698	652	461	3,242	274,471	53,205	332,729
273,905	78	2,055	597	14,243	248,272	26,728	291,973
414,812	166	6,123	48	12,324	271,356	27,447	317,464
394,971	1,351	5,636	.....	6,715	145,193	13,866	172,761
419,786	93	3,220	316	13,617	223,871	16,872	257,989
542,043	47	2,479	1,254	20,269	268,305	2,435	294,789
519,291	.....	753	1,027	28,047	202,384	8,138	240,349
367,177	127	1,610	2,567	7,953	224,644	3,415	240,316
527,426	163	1,567	878	3,666	211,616	355	218,245
805,253	6	2,075	374	8,139	233,096	.....	243,690
591,409	.....	3,072	159	977	203,608	.....	207,816
486,421	185	6,245	54	2,819	158,866	1,140	169,309
788,974	1,192	6,332	82	3,264	223,445	1,158	235,473
816,914	7,206	17,012	227	590	176,226	....	201,261
720,183	1,414	11,722	799	734	162,336	13,433	190,468
459,688	567	6,361	1,282	1,318	97,732	26,125	133,385
375,720	.....	8,190	533	4,800	47,392	58,400	119,315
290,909	83	6,094	327	8,773	49,480	99,487	164,244
350,792	64	7,488	....	15,201	64,014	22,480	109,247
537,252	488	5,407	2,554	45,846	147,884	18,323	220,502
373,568	11,381	9,957	1,093	4,164	113,525	39,683	179,803
576,989	2,651	10,912	226	4,221	172,642	22,381	213,033
650,172	3,747	8,493	100	16,204	147,587	5,862	181,993
894,559	961	4,923	246	18,761	267,212	25,040	317,143

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E.—TABLE showing the tonnage of the undermentioned Articles cleared at Buffalo and Tonawanda, for transit through the Erie Canal, for a series of thirty-nine years.

VEGETABLE FOOD.

Year.	Flour.	Wheat.	Corn.	Barley.	Oats.	Rye.	Other Articles *	Total.	Increase.	Decrease.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.		
1869.	5,609	490,904	219,874	1,978	63,728	2,150	2,193	786,436	.....	.....
1870.	8,258	502,158	165,577	19,944	89,156	10,593	6,906	802,592	2·05	.....
1871.	5,607	570,849	579,709	19,810	106,391	27,622	5,705	1,315,693	67·59	.....
1872.		330,032	866,169	41,515	73,572	5,900	88	1,317,276	67·50	.....
1873.	6	737,167	611,675	8,636	51,615	22,441	634	1,432,174	82·10	.....
1874.		650,161	459,728	3,192	44,079	112	237	1,157,509	47·18	.....
1875.	5,859	695,315	273,006	1,156	36,609	2,242	3,372	1,017,559	29·38	.....
1876.	231	377,317	356,064	6,334	24,488	12,205	4,691	783,331	.....	0·39
1877.	1,710	398,416	709,723	26,351	52,559	27,365	4,976	1,223,100	55·52	.....
1878.	987	775,953	718,714	21,665	69,256	51,064	6,662	1,644,301	109·08	.....
1879.	1,239	892,404	602,171	7,193	14,537	40,471	7,528	1,565,543	99·07	.....
1880.	2,743	897,603	131,857	434	16,154	12,137	4,256	2,065,184	11·75	.....
1881.	1,491	386,605	458,318	86	24,751	107	7,484	878,842	162·06	.....
1882.	1,123	586,019	241,406	1,858	9,046	19,158	6,216	864,826	9·96	.....
1883.	538	535,150	517,219	6,816	47,190	79,010	6,051	1,191,974	51·06	.....
1884.	520	767,784	194,368	4,910	47,060	57,856	4,411	1,078,909	37·18	..
1885.	323	540,533	356,737	3,317	5,610	6,405	5,427	918,352	14·36	.....
1886.	488	955,851	351,272	6,799	5,180	.....	4,001	1,353,591	72·11	.....
1887.	334	914,152	438,069	15,207	32,907	4,612	44,693	1,449,984	85·64	.....
1888.	534	469,965	494,110	6,589	68,922	10,997	1,717	1,052,834	33·87	.....
1889.	845	457,922	579,526	16,380	61,175	34,167	5,160	1,155,175	46·88	.....
1890.	195	329,531	498,641	58,563	45,202	16,903	4,362	953,397	21·23	....
1891.	1,071	733,967	137,679	43,779	14,803	66,278	2,594	1,000,171	27·18	..
1892.	2,485	611,177	141,506	37,570	70,363	3,997	3,472	870,570	10·69	.....
1893.	424	1,086,834	240,767	38,986	21,981	6,156	243	1,395,391	77·43	.....
1894.	327	887,908	265,947	69,707	99,898	5,191	2,123	1,331,101	69·26	.....
1895.	98	271,957	83,611	71,185	85,507	205	15	508,596	.....	35·32
1896.	6,971	402,114	89,726	101,151	194,442	77,162	5,575	877,144	11·53	....
1897.	1,665	168,870	303,761	88,293	48,591	65,490	11,965	688,635	.....	12·44
1898.		64,760	354,917	85,359	74,336	7,367	20,818	607,557	.....	22·74
1899.		271,848	84,370	72,892	92,919	5,839	.....	527,868	.....	32·89
1900.	62	129,683	184,996	53,472	33,564	10,478	25,621	438,434	.....	44·11
1901.	3	211,317	86,240	45,624	87,357	10,326	32,862	473,729	.....	39·76
1902.		289,207	30,293	50,500	43,162	18,503	5,278	436,943	.....	44·44
1903.		140,508	183,856	47,857	61,060	12,027	510	445,818	....	43·31
1904.		47,318	57,277	31,507	78,430	1,413	.....	215,945	.....	72·54
1905.		107,281	24,917	78,780	91,418	3,572	1,653	307,621	.....	60·88
1906.		189,038	125,172	76,071	104,337	3,992	175	498,785	.....	35·31
1907.		248,409	75,243	55,614	63,970	2,155	7,961	453,352	40·83

* Apples, meal all kinds, pease, potatoes.

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STATEMENT to Table E, showing the shipment at Oswego during the same period.

VEGETABLE FOOD.

Year.	Flour.	Wheat.	Corn.	Barley.	Oat.	Rye.	Other Articles	Total.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
1869.	7,361	141,360	28,585	66,794	1,113	8,569	14,033	267,815
1870.	11,440	115,732	10,120	77,906	3,953	7,402	11,628	238,181
1871.	10,043	123,173	70,218	72,675	1,806	6,250	13,259	297,424
1872.	4,773	57,865	27,148	62,172	684	6,751	10,425	169,818
1873.	4,061	53,361	10,578	46,337	670	6,019	10,739	131,765
1874.		108,288	46,127	77,007	1,103	7,053	3,747	243,325
1875.	1,728	32,690	3,034	75,083	3,308	4,989	5,931	126,763
1876.	967	21,890	1,324	63,336	117	5,703	6,638	99,975
1877.	855	28,955	3,308	80,306	316	6,603	6,556	126,899
1878.	1,394	24,171	1,383	50,381		10,598	5,222	93,149
1879.	734	25,740	9,268	71,693		16,623	3,110	127,168
1880.	951	17,466	15,656	82,743		12,593	5,996	135,410
1881.	758	25,352	8,064	62,793	206	14,444	4,027	115,638
1882.	813	20,274	4,401	70,862	416	22,265	7,773	126,804
1883.	432	22,634	535	32,557		14,384	1,967	72,507
1884.	404	5,932	413	48,391		12,173	2,819	70,132
1885.	519	6,484	22	45,264		4,613	2,945	59,847
1886.	737	9,579	154	42,261		1,671	4,814	59,216
1887.	790	675	2	44,580		716	1,370	48,133
1888.	384	2,206	168	6,237			2,196	11,191
1889.	473	8,002	8,950	40,096	16	1,405	1,003	59,945
1890.	545	10,783	10,408	26,639	8	4,635	2,356	54,969
1891.	292	4,298	1,652	27,418		2,130	3,620	39,410
1892.	273	4,806	5,657	5,283		199	2,340	18,558
1893.	119	2,036	3,968	8,476		237	2,784	17,620
1894.	8	10,293	10,514	17,160			2,609	40,584
1895.	66	3,073	7,352	1,900	1,816		258	14,465
1896.		1,825	7,778	7,552			2,468	19,623
1897.		6,588	5,550	7,349	498	219	245	20,449
1898.	160	2,111	5,886	1,450	16		784	10,407
1899.	216	3,106	4,478	2,400			2,346	12,546
1900.	214	485	1,404	2,400			463	4,906
1901.	245	526		5,375			120	6,266
1902.	159			3,678	3		632	4,472
1903.				8,239			570	8,809
1904.				8,477		474		8,951
1905.		438			3,821		436	4,695
1906.				1,107				1,107
1907.				494				494

* Fiscal. † Apples, meal all kinds, pease, potatoes.

F.—TABLE showing the Total Way and Through Tonage of the undermentioned Articles cleared downward on the Welland Canal during a series of thirty-seven years, ended December 31, 1907.

VEGETABLE FOOD.

Year.	Flour.	Wheat.	Corn.	Barley.	Oats.	Rye.	Other Articles. †	Total.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons:
1869*.....	44,110	310,090	119,541	3,920	.....	680	1,541	479,882
1872.....	26,648	231,056	254,534	693	7,594	64	2,300	524,889
1873.....	30,660	345,720	180,042	643	1,188	3	3,557	563,813
1874.....	24,017	406,157	181,128	377	5,953	.....	3,301	620,933
1875....	13,930	248,555	103,477	813	3,383	500	4,304	374,962
1876.....	15,735	194,559	144,501	1,110	24,496	1,454	2,949	384,807
1877.....	13,588	248,894	169,185	10,216	2,810	2,405	1,833	448,931
1878.....	8,854	188,106	185,931	1,217	3,088	....	2,100	389,296
1879	10,588	271,545	114,276	803	1,196	.....	2,387	430,795
1880	12,467	240,601	162,891	... ..	477	... ..	1,418	417,853
1881	9,655	121,393	103,075	252	... ..	6	1,371	235,752
1882	12,205	205,876	64,797	537	....	1,954	225	275,594
1883	13,256	146,741	182,143	975	731	518	10,971	355,335
1884	13,626	135,804	118,811	270	10,746	477	9,018	288,752
1885	13,322	114,090	117,536	618	1,116	.....	1,628	248,310
1886 ...	19,418	146,151	218,897	.....	4,891	.....	14,581	403,928
1887	23,940	210,755	114,938	1,711	12,050	....	12,149	375,543
1888	16,973	150,833	194,886	555	26,629	811	13,358	404,045
1889 ...	7,922	120,498	353,595	197	28,356	1,918	18,273	530,759
1890	14,461	114,924	327,394	6,519	27,728	1,121	20,836	512,983
1891	13,517	196,326	185,177	8,113	52,959	65,071	27,895	549,058
1892	17,046	229,569	192,548	6,433	37,173	9,392	32,548	524,709
1893 .	15,232	257,203	441,092	18,461	31,283	3,671	36,981	863,923
1894	33,628	270,514	169,233	28,353	27,962	.....	60,587	590,277
1895	43,895	202,636	164,894	8,689	18,236	.....	46,435	484,785
1896	42,159	319,388	320,444	11,368	28,178	8,970	54,031	784,538
1897	9,025	322,993	390,615	14,173	25,127	8,483	44,651	815,067
1898	5,578	206,313	437,849	12,286	17,491	16,127	23,170	718,814
1899 ...	11,625	197,732	204,004	2,424	23,541	923	18,440	458,689
1900	10,968	137,800	163,509	3,449	40,256	3,538	14,802	374,322
1901	18,937	151,325	67,756	7,119	28,281	2,961	14,021	290,400
1902	22,282	223,499	67,647	7,418	11,223	4,079	12,912	349,060
1903 .	25,997	257,370	210,758	14,656	7,911	4,904	13,982	535,578
1904	35,046	164,515	116,444	27,171	16,582	... ..	13,157	372,915
1905	38,512	247,599	180,921	55,432	36,072	1,711	9,882	570,129
1906	18,227	326,789	111,243	31,446	49,306	1,411	10,739	549,161
1907	22,689	488,565	271,693	13,240	73,369	2,270	22,683	894,509

* Fiscal. † Apples, meal all kinds, pease, potatoes.

G.—TABLE showing the Tonnage of the undermentioned Articles passed through the Welland Canal in transit between Ports in the United States during a series of thirty-seven years, ended December 31, 1907.

YEARS.	VEGETABLE FOOD.										HEAVY GOODS.				
	Flour.	Wheat.	Corn.	Barley.	Oats.	Rye.	* Other articles.	Total.							
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Railway Iron.	Other Iron.	Salt.	Coal.	Ores.	Total.	Tons.
1869	30,681	211,085	91,149	2,942	.....	667	1,006	337,530	68,064	14,334	89,086	28,566	35,912	235,962	
1872	10,482	124,695	89,761	1,391	7,400	.....	608	234,337	24,040	13,239	49,843	95,741	59,401	224,264	
1873	10,805	127,727	101,329	1,920	1,188	3	392	243,366	4,659	13,826	40,507	170,242	62,942	292,176	
1874	8,230	229,053	125,627	.....	5,948	.....	5,368	374,226	5,742	8,941	22,888	203,673	19,651	260,895	
1875	1,881	113,832	54,188	2,641	2,946	500	1,920	177,908	14	4,123	12,931	192,767	34,616	244,451	
1876	5,187	96,247	58,138	.....	1,905	525	403	162,405	.....	5,531	29,395	167,110	25,808	227,844	
1877	3,342	107,396	65,260	1,603	2,314	258	413	180,586	8,976	8,688	8,336	172,868	41,107	239,975	
1878	1,316	65,542	60,026	859	277	.....	341	128,361	.....	10,713	3,892	150,583	13,535	178,723	
1879	159	53,791	33,401	.....	464	.....	11	87,826	2,405	3,648	6,318	118,573	17,797	148,741	
1880	.....	30,611	16,122	1,551	296	.....	.....	48,580	4,743	3,515	371	65,945	18,380	92,954	
1881	.....	34,320	30,031	924	.....	.....	10	65,285	1,313	5,570	.....	83,858	6,464	97,205	
1882	107	30,227	32,433	537	.....	684	14	61,002	.....	4,076	.....	158,552	14,533	177,161	
1883	2,041	54,382	66,128	735	731	.....	8,579	132,496	1,209	6,901	8	196,462	24,891	229,471	
1884	1,715	40,956	53,707	.....	9,874	.....	8,170	114,422	698	599	.....	210,790	15,100	227,187	
1885	124	53,235	63,229	732	882	.....	1	118,203	.....	1,594	.....	198,416	15,029	215,039	
1886	7,591	53,258	94,048	.....	4,790	.....	13,201	172,888	.....	5,328	1	189,964	11,364	206,813	
1887	11,780	37,678	83,431	1,732	12,050	.....	10,859	157,530	156	4,406	.....	82,780	67	87,828	
1888	8,563	39,999	102,974	2	26,510	179	11,598	189,825	63	1,601	56	173,259	2,309	177,285	
1889	5,017	39,229	147,045	.....	27,492	.....	17,225	236,208	.....	1,587	896	227,476	1,204	231,163	
1890	9,204	31,527	180,842	.....	27,030	.....	20,497	275,619	.....	504	208	162,231	1,620	164,563	
1891	6,802	32,097	127,494	8,113	52,823	.....	26,115	253,444	.....	292	705	186,572	1,773	189,342	
1892	11,018	26,950	131,222	6,433	36,935	.....	31,992	244,550	.....	576	2	183,895	.....	184,473	
1893	6,588	28,187	198,777	16,751	23,870	864	36,352	311,389	.....	344	.....	206,827	.....	207,171	
1894	17,795	53,846	105,329	28,095	27,621	.....	60,462	198,358	.....	297	.....	188,521	.....	188,818	
1895	10,169	27,881	100,512	7,904	17,020	.....	46,316	209,802	181	246	.....	149,490	.....	149,917	
1896	16,224	34,878	175,094	11,128	16,137	490	46,456	300,407	.....	146	.....	207,348	.....	207,494	
1897	7,237	28,919	169,057	14,173	14,969	.....	41,887	276,242	965	15	.....	165,143	.....	166,123	
1898	4,212	11,268	150,667	6,909	12,732	1,197	22,671	209,656	770	339	4	156,814	.....	157,927	
1899	6,118	12,926	81,777	2,424	19,526	923	18,198	141,892	351	1,646	553	88,931	.....	91,481	
1900	7,966	18,771	60,545	2,402	39,706	2,149	14,248	145,787	.....	953	.....	46,024	.....	46,977	
1901	17,165	23,557	55,531	7,119	26,344	.....	14,016	143,732	83	80	105	46,702	.....	46,970	
1902	13,785	32,639	66,111	7,418	10,006	.....	12,675	142,634	.....	214	.....	12,911	.....	13,125	
1903	6,082	15,439	108,917	11,433	6,112	4,174	13,568	165,725	459	.....	.....	113,072	.....	113,535	
1904	8,556	14,269	60,964	16,621	16,497	.....	13,079	129,986	.....	.....	.....	63,882	.....	63,882	
1905	21,054	15,483	93,622	9,197	10,892	.....	9,682	162,930	.....	1	.....	73,461	.....	73,465	
1906	15,215	13,410	135,240	9,266	11,323	.....	10,678	195,132	.....	169	.....	33,523	.....	33,692	
1907	18,898	21,892	124,474	2,812	4,741	2	22,001	194,820	.....	30	.....	110,347	4,050	114,420	

* Apples, meal all kinds, pease, potatoes.

H.—TABLE showing the Tonnage of Vegetable Food carried on each of the Lines of Canals and the two principals railways, competing for the Carrying Trade between Lake Erie and Tidewater, for a series of thirty-seven years, ended December 31, 1907.

Year.	Total on New York Canals.	Total on Welland Canal.	Total on New York Central and Erie Railways.	Quantity cleared at Buffalo and Tonawanda by Erie Canal.	Quantity cleared at Oswego by Canal.	Quantity cleared through the Welland Canal in transit between ports in the United States.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
1869*	1,302,613	503,860	1,087,809	786,436	267,815	337,530
1872	1,674,320	538,147	1,870,614	1,317,276	169,818	234,337
1873	1,745,171	579,880	2,036,992	1,432,174	131,765	243,366
1874	1,767,598	647,397	2,791,517	1,557,509	243,325	374,226
1875	1,305,550	417,936	2,343,241	1,017,559	126,763	177,908
1876	1,064,293	409,788	2,875,803	783,331	99,975	162,405
1877	1,498,984	464,181	2,493,683	1,223,100	126,899	180,586
1878	1,912,734	403,403	3,695,764	1,644,301	93,149	128,361
1879	1,833,399	438,564	4,353,617	1,565,543	127,168	87,826
1880	2,371,090	442,182	4,732,385	2,065,184	135,410	48,580
1881	1,116,561	269,395	4,983,722	878,842	115,638	65,285
1882	1,118,776	306,482	3,885,557	864,826	126,804	64,002
1883	1,379,000	372,236	4,422,461	1,191,974	72,507	132,496
1884	1,236,986	305,734	3,639,805	1,078,909	70,132	114,422
1885	1,063,310	273,905	4,105,594	918,352	59,847	118,203
1886	1,489,886	414,812	3,802,262	1,353,591	59,216	172,888
1887	1,552,764	394,971	3,847,766	1,449,984	48,133	157,530
1888	1,166,958	419,786	3,197,734	1,052,834	11,191	189,825
1889	1,296,896	542,043	3,654,984	1,155,175	59,945	236,208
1890	1,167,901	519,291	4,336,199	953,397	54,969	275,619
1891	1,092,355	367,177	3,565,381	1,000,171	39,410	253,444
1892	937,999	527,426	5,913,013	870,570	18,558	244,550
1893	1,452,563	805,253	5,107,426	1,395,391	17,620	311,389
1894	1,400,129	591,409	4,281,056	1,331,101	40 584	293,148
1895	602,505	486,421	3,798,574	508,596	14,465	209,802
1896	957,182	788,974	5,183,540	877,144	19,623	300,407
1897	744,575	816,914	5,673,638	688,635	20,449	276,242
1898	653,927	720,183	7,060,542	607,557	10,407	209,656
1899	577,486	459,688	6,211,827	527,868	12,546	141,892
1900	472,857	375,720	6,053,005	438,434	4,906	145,787
1901	557,099	290,909	6,334,001	473,729	6,266	143,732
1902	489,053	350,792	6,532,263	436,943	4,472	142,634
1903	512,601	537,252	5,548,603	445,518	8,809	165,725
1904	361,333	373,568	4,632,082	215,945	8,951	129,986
1905	346,200	576,989	4,475,888	307,621	4,695	162,930
1906	572,080	650,721	5,350,942	498,785	1,107	195,133
1907	522,111	894,559	5,349,284	453,352	494	194,820

* Fiscal.

SESSIONAL PAPER No. 20a

I.—STATEMENT showing the Quantity of Through Freight passed Down the Welland Canal in Canadian and United States Vessels entering the Canal at Port Colborne, during the Season of Navigation in 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1906, 1907.

ARTICLES.	CANADIAN VESSELS.				AMERICAN VESSELS.				TOTAL.	
	Steam.		Sail.		Steam.		Sail.		Steam and Sail.	
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.
	224	122,521	181	82,543	343	337,983	163	96,506	911	639,553
1896.	Tons.		Tons.		Tons.		Tons.		Tons.	
Wheat.....	113,331		90,979		78,741		34,476		317,527	
Corn.....	9,360		3,855		218,315		88,914		320,440	
Barley.....	240		.....		11,128		.....		11,368	
Oats.....	441		1,270		24,847		1,620		28,178	
Peas.....	1,403		1,354		.....		273		3,030	
Rye.....	5,035		644		2,837		454		8,970	
Coal.....	7		11,106		1,255		629		11,997	
Miscellaneous merchandise..	29,820		1,452		82,319		4,374		117,965	
Shingles, woodenware, &c...	134		.....		22		.....		156	
Sawed lumber.....Ft. B.M..	2,123,213		.....		18,259,810		27,796,146		48,179,169	
Square timber.....Cub. ft.	942,923		1,649,145		.....		246,024		2,838,092	
Staves.....No.	.....		.....		.....		.....		.....
Firewood.....Cords.	.....		.....		.....		55		55	
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.
	225	131,907	163	76,760	388	382,231	144	86,675	920	677,573
1897.	Tons.		Tons.		Tons.		Tons.		Tons.	
Wheat.....	121,762		55,724		106,064		37,891		321,441	
Corn.....	33,694		15,244		274,855		66,822		390,615	
Barley.....	.....		.....		14,173		.....		14,173	
Oats.....	223		.....		23,515		1,168		24,906	
Peas.....	1,851		.....		.....		.....		1,851	
Rye.....	2,047		919		5,517		.....		8,483	
Coal.....	3,873		3,947		368		1,615		9,803	
Miscellaneous merchandise..	15,739		3,290		70,968		4,174		94,071	
Shingles, woodenware, &c...	1,268		5		404		.....		1,677	
Sawed lumber.....Ft. B.M.	1,573,447		.....		20,284,446		20,673,202		42,531,095	
Square lumber.....Cub. ft.	1,327,823		2,217,629		.....		616,093		4,161,545	
Staves.....No.	2,577,160		.....		.....		.....		2,577,160	
Firewood.....	4		.....		.....		.....		4	
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.
	216	126,398	104	59,532	354	355,702	195	108,720	869	650,352
1898.	Tons.		Tons.		Tons.		Tons.		Tons.	
Wheat.....	95,567		36,157		54,934		18,355		205,013	
Corn.....	56,538		30,455		284,059		66,761		437,813	
Barley.....	.....		.....		9,465		2,821		12,286	
Oats.....	.....		.....		17,329		.....		17,329	
Peas.....	260		.....		45		.....		305	
Rye.....	3,564		1,480		9,135		1,948		16,127	
Coal.....	575		1,916		759		2,620		5,870	
Miscellaneous merchandise..	19,385		4,104		47,271		8,758		79,518	
Shingles, woodenware, &c...	2		9		.....		.....		11	
Sawed lumber.....Ft. B.M.	4,910,669		1,641,783		16,220,972		24,484,283		47,257,707	
Square timber.....Cub. ft.	825,545		1,183,821		.....		388,410		2,397,776	
Firewood.....Cord.	.....		.....		.....		.....		.....
Staves.....No.	249		.....		.....		.....		249	

8-9 EDWARD VII., A. 1909

I.—Statement showing the Quantity of Through Freight passed Down the Welland Canal in Canadian and United States Vessels, &c.—Continued.

ARTICLES.	CANADIAN VESSELS.		UNITED STATES VESSELS.		TOTAL.
	Steam.		Sail.		Steam and Sail.
	No.	Tonnage.	No.	Tonnage.	No. Tonnage.
	191	100,242	129	75,777	201 212,027 78 36,962 599 425,008
1899.	Tons.		Tons.		Tons.
Wheat	91,901		80,928		196,323
Corn	28,015		18,905		204,004
Barley			2,424		2,424
Oats	1,557		21,646		23,203
Peas					
Rye			923		923
Coal	435		6,736		10,569
Miscellaneous merchandise . .	25,203		18,651		94,943
Shingles, woodenware, &c . .	485		916		1,501
Sawed lumberFt. B.M.	2,077,748		772,739		37,654,904
Square timberCub. ft.	322,138		585,780		1,257,526
FirewoodCords.			9		9
StavesNo.					
	No.	Tonnage.	No.	Tonnage.	No. Tonnage.
	216	114,885	109	67,475	168 182,444 71 30,309 564 395,113
1900.	Tons.		Tons.		Tons.
Wheat	67,694		43,157		136,047
Corn	39,597		31,248		163,509
Barley			2,402		3,449
Oats			39,706		40,113
Peas	115		4		119
Rye	1,389		2,149		3,538
Coal	723		637		2,352
Miscellaneous merchandise . .	53,649		31,536		132,093
Shingles, woodenware, &c . .	1,078				1,078
Sawed lumberFt. F.M.	6,847,279		5,344,258		45,946,425
Square timberCub. ft.	439,827		355,951		1,005,781
FirewoodCords.	126		255		381
StavesNo.	1,000				1,000
	No.	Tonnage.	No.	Tonnage.	No. Tonnage.
	197	103,802	114	59,022	163 182,497 48 22,319 522 367,640
1901.	Tons.		Tons.		Tons.
Wheat	57,641		58,973		149,810
Corn	7,350		4,689		67,756
Barley			7,119		7,119
Oats	944		27,197		28,141
Peas					
Rye	2,961				2,961
Coal	1,960		362		2,679
Miscellaneous merchandise . .	71,300		32,312		123,955
Shingles, woodenware, &c . .	18				18
Sawed lumberFt. B.M.	6,533,423		4,060,251		34,776,420
Square timberCub. ft.	362,441		204,682		726,038
FirewoodCords.	165		264		429
StavesNo.					

SESSIONAL PAPER No. 20a

I.—STATEMENT showing the Quantity of Through Freight passed Down the Welland Canal in Canadian and United States Vessels, &c.—*Continued.*

ARTICLES.	CANADIAN VESSELS.				UNITED STATES VESSELS.				TOTAL.
	Steam.		Sail.		Steam.		Sail.		Steam and Sail
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No. Tonnage.
	196	90,791	122	73,958	191	201,339	52	22,097	561 388,185
1902.	Tons.		Tons.		Tons.		Tons.		Tons.
Wheat.....	82,954		85,973		52,889				221,816
Corn.....	148		1,388		66,111				67,647
Barley.....					7,418				7,418
Oats.....	1,200		43		9,963				11,206
Peas.....									
Rye.....	3,808				271				4,079
Coal.....	3,977		25,732		13,497		8,332		51,538
Merchandise.....	33,111		8,723		38,351		1,594		81,779
Shingles, woodenware, &c....	47		28		4				79
Sawed lumber..... Ft. B.M.	13,218,960		3,256,187		25,437,287		19,540,426		61,452,860
Square timber..... Cub. ft.	370,718		557,689				115,000		1,043,407
Firewood..... Cords.	56		40						96
Staves..... No.			14,000						14,000
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No. Tonnage.
	239	151,850	76	45,918	243	252,094	69	27,854	627 477,716
1903.	Tons.		Tons.		Tons.		Tons.		Tons.
Wheat.....	149,378		38,473		60,514		6,305		254,670
Corn.....	21,356		4,682		174,588		10,132		210,758
Barley.....	2,580		667		11,409				14,656
Oats.....	306		1,335		6,112				7,753
Peas.....	63				22				85
Rye.....					4,904				4,904
Coal.....	389		12,991		8,133		8,496		30,009
Merchandise.....	39,563		3,367		41,584		2,000		86,514
Shingles, woodenware, &c....			54						54
Sawed lumber..... Ft. B.M.	12,841,552		1,625,855		17,871,652		14,733,677		47,072,736
Square timber..... Cub. ft.	572,000		660,000				84,200		1,316,200
Firewood..... Cords.			210		9				219
Staves..... No.			641,000						641,000
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No. Tonnage.
	228	157,539	55	39,375	205	187,748	42	15,918	530 400,580
1904.	Tons.		Tons.		Tons.		Tons.		Tons.
Wheat....	116,794		33,302		14,269				164,365
Corn....	12,768		7,814		95,362				116,444
Barley....	2,619		824		23,728				27,171
Oats....					16,261				16,261
Peas....					3				3
Rye....									
Coal.....	1,925		7,187		17,133		7,668		33,913
Iron ore.....	34,907				1,925				36,832
Merchandise.....	29,567				60,548				90,115
Shingles, woodenware, &c....									
Sawed lumber..... Ft. B.M.	15,077,382		854,811		32,751,541		9,572,655		58,259,389
Square timber..... Cub. ft.	944,508		744,000				149,000		1,837,508
Firewood..... Cords.					717				717
Staves..... No.	634,000								634,000

8-9 EDWARD VII., A. 1909

I.—STATEMENT showing the Quantity of Through Freight passed Down the Welland Canal in Canadian and United States Vessels, &c.—*Concluded.*

ARTICLES.	CANADIAN VESSELS.				UNITED STATES VESSELS.				TOTAL.	
	Steam.		Sail.		Steam.		Sail.		Steam and Sail	
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.
	252	182,373	91	48,692	319	286,656	64	29,120	726	546,841
- 1905.	Tons.		Tons.		Tons.		Tons.		Tons.	
Wheat.....	188,706		18,575		28,757		2,512		238,550	
Corn.....	6,385		6,636		163,374		4,526		180,921	
Barley.....	6,870		1,451		47,111		.....		55,432	
Oats.....	8,225		2,570		21,535		3,742		36,072	
Peas.....	.....		.....		76		.....		76	
Rye.....	.....		.....		1,711		.....		1,711	
Coal.....	18,756		35,324		28,330		8,678		91,088	
Iron ore.....	14,358		8,023		.....		.....		22,381	
Merchandise.....	29,375		7,485		74,975		3,126		114,961	
Shingles, woodenware, &c....	.....		2,748,941		2,325		.....		2,325	
Sawed lumber..... Ft. B. M.	2,867,147		.....		38,290,831		12,479,698		54,589,200	
Square timber..... Cub. ft.	355,000		951,524		.....		.....		538,000	
Firewood..... Cords.	.....		183,000		900		.....		900	
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.
	328	238,690	121	66,355	305	310,622	43	15,758	797	631,425
1906.	Tons.		Tons.		Tons.		Tons.		Tons.	
Wheat.....	250,493		34,355		35,578		.....		320,436	
Corn.....	8,177		.....		202,250		1,378		49,306	
Barley.....	8,546		5,046		17,854		.....		31,446	
Oats.....	21,900		16,083		11,323		.....		49,306	
Peas.....	.....		.....		11		.....		11	
Rye.....	.....		5		1,406		.....		1,411	
Coal.....	30,455		47,242		24,190		9,356		111,243	
Iron ore.....	5,862		.....		.....		.....		5,862	
Merchandise.....	35,383		7,009		110,263		50		152,705	
Shingles, woodenware, &c....	16		37		851		.....		904	
Sawed lumber..... Ft. BM.	3,471,514		235,624		25,711,196		10,769,755		40,188,089	
Square timber..... Cub. ft.	375,000		200,000		.....		.....		575,000	
Firewood..... Cords.	110		18		1,093		.....		1,221	
Staves..... No.	.....		.....		300,000		.....		300,000	
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.
	375	290,509	148	81,070	408	397,616	76	36,921	1,007	806,116
1907.	Tons.		Tons.		Tons.		Tons.		Tons.	
Wheat.....	294,298		50,808		130,818		4,429		480,303	
Corn.....	6,713		514		259,895		4,571		271,693	
Barley.....	8,726		468		4,046		.....		13,240	
Oats.....	49,689		16,647		7,033		.....		73,369	
Peas.....	.....		.....		25		.....		25	
Rye.....	.....		.....		2,270		.....		2,270	
Coal.....	31,506		47,373		50,183		14,493		143,555	
Iron ore.....	12,040		8,950		.....		.....		20,990	
Merchandise.....	21,545		9,436		5,231		6,235		42,447	
Shingles, woodenware, &c....	.....		.....		2,222		.....		2,222	
Sawen lumber..... Ft. B.M.	.....		.....		14,395,124		11,201,446		25,596,570	
Square timber..... Cub. ft.	558,090		323,000		.....		.....		881,090	
Firewood..... Cords.	.....		.....		660		.....		660	

SESSIONAL PAPER No. 20a

WELLAND CANAL THROUGH FREIGHT—RECAPITULATION.

WELLAND CANAL—WEST BOUND FREIGHT.

THE total quantity of Through Freight passed UP the Welland Canal in Canadian and United States Vessels during the Season of Navigation in 1907 is as follows :—

Summary.	Tons.	Tons.
In Canadian steam vessels.....	128,851	143,456
" sail ".....	14,605	
Total quantity in Canadian vessels		
In United States steam vessels ...	219,160	246,321
" sail "	27,161	
Total in United States vessels.....		
Grand total freight passed UP the Welland Canal in Canadian and United States vessels.....		389,777

8-9 EDWARD VII., A. 1909

STATEMENT of the quantity of Through Freight passed Up and Down the Welland Canal during the Season of Navigation in 1907.

Summary.	Tons.	Tons.
In Canadian steam vessels, up.	128,851	
" down	452,647	
Total in Canadian steam vessels		581,498
In Canadian sail vessels, up.....	14,605	
" down	140,737	
Total in Canadian sail vessels.....		155,342
Total quantity in Canadian vessels		736,840
In United States steam vessels up.....	219,160	
" down.....	572,755	
Total in United States steam vessels.....		791,915
In United States sail vessels up	27,161	
" down	48,405	
Total in United States sail vessels		75,566
Total quantity in United States vessels		867,481
Total in Canadian and United States vessels.....		1,604,321
	Down or East Bound	Up or West Bound.
In Canadian vessels	593,384	143,456
In United States vessels.....	621,160	246,321
Total.....	1,214,544	389,777

STATEMENT O

In Canadian steamer
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In Canadian sailing vessel
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In United States steamer
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In United States sailing vessel
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In Canadian vessel
In United States vessel

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1909

K.—STATEMENT showing the Quantity of Freight passed Eastward, from Lake Erie, through the whole length of the Welland and St. Lawrence canals, to Montreal, during the seasons of navigation in 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906 and 1907.

Articles.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
<i>Class 3.</i>													
Cement and water lime.		12								35			
Clay, lime and sand.			38	52	15	15					22		
Iron, railway								50		8,170	10		
" pig	79					508							
" all other	1,766	2,020	7,564	6,217	5,063	4,292	1,178	5,785	2,542	1,651	384	269	124
Steel.	394	542	375	1,351	3,000	5,420				16	48		
Stone, for cutting.		200											
Apples.	28	1,263			596	1,288			2,206	9,697	43,607	21,196	9,936
Barley	959	240			150,999	109,359	14,319	1,719	123,864	55,021	84,204	55,559	105,984
Corn.	70,235	182,330	267,583	310,498			4,965		3,643	212	15,694	80,570	49,159
Flaxseed.			3,293	5,687			1,400	6,755	16,151	24,662	14,571	9,174	3,730
Flour.	30,916	11,964	1,029	653	4,229	1,595	35		348	57	270	60	
Meal, all kinds	65						1,584	1,442	2,438		21,404	37,164	66,941
Oats.	1,654	12,373	6,847	3,975	10,250	8,925	1,083		462	7,846	9,229		
Oil cake									63				
Pease.		3,020	2,078	260		115			4,260		1,711	1,405	2,266
Rye.		8,323	8,435	15,488	923	3,078	2,961	4,079	132		168	75	143
Salt.			216	144	183		50						20
Seeds, all kinds.		20			200								
Hay, pressed.					96		246						
Tobacco, raw.			51										
Wheat.	158,643	255,198	278,498	184,154	169,978	121,896	132,702	200,975	226,746	133,528	190,505	289,611	450,446
All other agricultural products, vegetables.		29		56	32								
Hides, skins, horns and hoofs.										10		2	
Horses	1	1	1	4	1						2,847	4,810	
Lard and lard oil.							1,155						
Meats, all kinds							114						
Pork.		1					34		3		53		
Tallow													
All other agricultural products, animal										1			
Total, class 3	264,740	477,541	576,008	532,499	345,565	256,491	161,849	220,805	382,858	241,522	384,727	499,895	688,749
<i>Class 4.</i>													
Agricultural implements					3		1,785	13	58	17			
Ashes	34	94	133	73	55	25	3		2	16			

R.—STATEMENT showing the Quantity of Freight passed Eastward, from Lake Erie, through the whole length of the Welland and St. Lawrence Canals, to Montreal, &c.—*Concluded.*

Articles.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
<i>Class 4. Con.</i>													
Crockery.		5									93		
Furniture			1			1	5		3	6			
Glass, all kinds		9	53	75	16	6	1		15	3	21	11	4
Molasses	100	167	9	56	159			54	240		820		
Nails					1				19		64		
Oil	6	23	112	1,141	7,143	15,647	14,987	12,091	14,619	12,848	20,700	19,995	22,111
Paint	2						17		5				101
Pitch and tar.											53		
Rags		4							4				
Rosin									20				
Soda ash							4						15
Sugar		1					112						
Stone, wrought.													
Tin.										87			
Tobacco.					96						53		
White lead						16					204		
Whisky, beer and other spirits.	101		46	4	74	11	32		2	766	635	614	1,224
Merchandise not enumerated.	558	376	1,226	866	518	92	2,420	419	582	713	851	466	2,294
Total, class 4.	801	679	1,580	2,215	7,969	15,798	19,366	12,577	15,569	14,456	25,572	21,164	25,749
<i>Class 5.</i>													
Barrels, empty.	1				1	182	66	15					
Hoops			257										
Sawed lumber	1,117	657	478	3,065	924	15,760	2,635	1,085		394	3,957	100	
Staves, pipe and barrel.			4,716									2,400	
" West India and pipe.										1,544	1,260	1,500	4,180
Timber, square, in vessels.		1,200	1,207	329	26								
" in rafts.								17					
Woodenware													
Total, class 5.	1,118	1,857	6,658	3,394	951	15,942	3,205	1,117		1,938	5,217	4,000	4,180
<i>Special Class.</i>													
Coal													
Iron ore.								15,976		17,362	29,351	29,172	70,489
Total, special class											33,188	29,172	70,489
Grand total.	266,659	480,077	584,246	538,108	354,485	28,231	184,420	250,475	398,427	275,278	448,704	554,231	789,167

L.—STATEMENT showing the Quantity of Freight passed Westward from Montreal, through the whole length of the St. Lawrence and Welland Canal to Lake Erie, during the Seasons of Navigation in 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906 and 1907.

Articles.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
<i>Class 3.</i>													
Bricks	24	15	70	70	24	49	196	22	80	115	132		556
Brimestone							5	20	23	12			
Cement and water line	1,859	1,686	837	996	997	1,931	2,916	178	3,924	39	181	88	13
Clay, lime and sand.			4	144	8	4	2	1	181				100
Cotton, raw			10	9		8			23				
Fish		11			10		8		8	4			39
Gypsum					4								
Iron, railway		1,687				74	748	11,735	39,641	283	126	7,289	4,119
" pig	56	28	6			3		558	273		312	680	7,655
" all other.,	1,831	727	559	699	1,318	1,428	4,950	2,904	5,845	3,782	3,633	8,235	6,987
Salt	932	822	25	35		48	75	4	87	99	150	17	
Steel	528			19	18		3	11	332	58	192	111	2,561
Stone for cutting.		4	62							41			
Flour							16				18		
Hay	124												30
Meals.									17	25			
Oats.													
Potatoes													
Seeds, all kinds	25	99	121	56	121	218	302	58	325	164	35	17	
Tabacco, raw.								1	2				
Agricultural products not enumerated, vegetables	26		4				1	1			127		
Hides and skins	26							16	6				
Horses		1		1									
Lard and lard oil.	1			2				11			28	20	1
Meats other than pork.									1	25			15
Pork						1							
Wool													
All other articles not enumerated.													
Total, class 3	5,432	5,080	1,698	2,031	2,500	3,764	9,222	15,520	50,768	4,617	4,934	16,457	22,076
<i>Class 4.</i>													
Agricultural implements.												5	
Ashes, pot and pearl			1						2				
Crockery and earthenware	12	83	4	33	3	5			32	291	155	294	456
Dye woods, &c										2			2

L. STATEMENT showing the Quantity of Freight passed Westward from Montreal, through the whole length of the St. Lawrence and Welland Canal to Lake Erie, &c. —*Concluded.*

Articles.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
<i>Class 4. — Concluded.</i>													
Furniture													
Glass, all kinds.	394	612	2 799	150	299	1 456	612	1,384	1 1,207	5 1,671	2 1,641	1 2,519	35 3,534
Manilla										34	93	37	15
Marble.												35	
Molasses	20	1					1		6		1		50
Nails.	1,149	409	129	229	518	30	675	1,292	2,878	2,009	3,061	4,011	3,331
Oil, in barrels	31	33	12	15	21	74	83	14	16	1,418	120	148	155
Paint.	75	49	20	35	2	12	69	97	158	202	367	412	295
Pitch and tar.	67	60	20	37	6	21	27	27	58	199	5	239	
Rags.					14			1	29		15		50
Resin					15				1				25
Soda ash	84	74	249	88	108	69	169	201	264	387	28	310	37
Stone, wrought		17	25	31									5
Sugar	1,430	1,873	311	566	1,596	430	810	1,314	204	52	1,168	1,153	6,046
Tin	396	395	359	237	159	117	338	506	209	362	928	1,365	1,173
Turpentine							1	2	1				1
White lead	7	10	5		1	4	11	37	80	82	80	304	283
Whiting	113	56	104	93	89	39	49	61	22	33	158	93	18
Whisky, beer, &c.	77	51	93	98	178	295	131	182	452	432	384	483	1,040
Merchandise not enumerated.	1,268	1,247	711	793	482	744	1,516	1,049	3,674	6,200	15,360	11,707	16,498
Total, class 4	5,123	4,970	2,844	2,405	3,491	2,447	4,492	6,169	9,294	13,379	23,566	23,116	33,049
<i>Class 5.</i>													
Barrels, empty.													
Firewood in vessels.								3,600	40,026	40,425	43,982	54,906	2,337
Pulpwood.													101,989
Lumber, sawn, in vessels													
Railway ties in vessels									611				
Woodware												5	
Total, class 5.								3,600	40,637	40,425	43,982	57,218	104,326
<i>Special Class.</i>													
Coal.										10,200			
Iron ore.										2,861			
Total, special class.										13,061			
Grand total	10,555	10,050	4,542	4,436	5,991	6,211	13,714	25,289	100,699	71,512	72,482	96,791	159,451

M.—STATEMENT showing the Quantity of Freight passed Eastward through the Welland Canal, from United States Ports to United States Ports, during the Season of Navigation from 1895 to 1907 inclusive.

Articles.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
<i>Class 3.</i>													
Bricks.....			845										
Cement and water lime.....				300		18							
Fish.....													20
Iron, railway.....	181		965	770									
" all other.....	214			324	1,008	714	105	30			1	27	30
Salt.....					549								
Steel.....		498		2,951	13,522	3,110						2	509
Stone for cutting.....													
Apples.....													
Barley.....	7,904	11,128	14,173	6,909	2,424	2,462	7,119	7,418	11,433	16,621	9,197	9,266	2,812
Corn.....	100,512	175,094	169,057	150,667	81,777	60,545	55,531	66,111	108,917	60,964	93,622	135,240	124,474
Flour.....	10,169	16,224	7,237	4,212	6,118	7,966	17,168	13,785	6,082	8,556	24,054	15,215	18,898
Hay, pressed.....			301								200		
Meal, all kinds.....	46,316	46,456	41,644	22,626	18,198	14,244	11,016	12,675	13,546	13,076	9,606	10,668	21,976
Marble.....											87		
Nails.....											1		
Oil cake.....						2,705	1,302	110	740	16,497	228		114
Oats.....	16,442	16,137	14,969	12,729	19,526	39,706	26,344	10,006	6,112	3	10,892	11,323	4,741
Pease.....				45		4			22		76	11	25
Potatoes.....													
Rye.....		490		1,197	923	2,149			4,174				2
Flax seed.....					200				1,594			756	
Seeds, all kinds.....	14	78	299	44	11			10	27		43	3	17
Tobacco.....							23						
Wheat.....	27,881	34,878	28,919	11,268	12,926	18,771	23,557	32,639	15,436	14,269	15,483	13,410	21,892
Agricultural products, vegetables, hides and skins, &c.....						6	10		1			1	7
Horses.....	8	41	23			4			2				
Lard and lard oil, &c.....	6	1,318	1,444	3,671	864	1,588	1,680	2,413				22	86
Meats, other than pork.....	30												
Pork.....	87	390	243	1,271	343	17	970	632	152	379	273	268	429
Sheep.....													
Tallow.....				359	201	631	119						
Wool.....	1,536	900	197	89	130		3	752	482	134	21	89	30
Total, class 3.....	211,300	303,665	280,319	219,434	158,720	154,680	147,917	146,581	168,720	130,499	163,784	196,301	196,062
<i>Class 4.</i>													
Agricultural implements.....								399		396	552	494	
Crockery and earthenware.....													5
Furniture.....	2			2	7		3	17				1	

M.—STATEMENT showing the Quantity of Freight passed Eastward through the Welland Canal, from United States Ports to United States Ports, during the Season of Navigation from 1895 to 1907 inclusive.—*Concluded.*

Articles.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
<i>Class 4—Con.</i>													
Marble..					8	57	4						
Molasses.....					11								
Nails.....				119	367	17	22	1,594	2,000	1			3
Oil, in barrels.....	30	1,005	198	3	2	36				17	42	1	8
Paint.....					1				4		4		1
Rags.....													
Soda ash.....													
Stone, wrought.....													
Sugar.....	59	165	31			154	448	280		53	53	840	26,075
White lead.....											7		4
Whiting.....													21
Whisky, beer and all other spirits.....	15			34	168	1	1		3				30
Merchandise.....	7,656	3,990	3,591	3,828	6,219	7,889	3,327	1,928	2,010	1,554	2,008	2,324	41,621
Total, class 4.....	7,762	5,160	3,820	3,986	6,783	8,164	3,805	4,218	4,017	2,021	2,666	3,660	67,768
<i>Class 5.</i>													
Empty barrels.....		10				5	282				3	2	1
Firewood, in vessels.....		165						4		717	2,700	3,609	1,980
Lumber, sawn, in vessels.....	41,974	75,515	68,280	52,844	57,695	55,128	38,685	72,806	48,337	30,194	15,726	27,701	14,314
Masts and sp rs, in vessels.....			403							154			
Hop poles.....										652	2,248		2,151
Railway ties in vessels.....	446										62	53	70
Shingles.....											12		
Split posts.....												1,500	
Staves, salt barrels.....													
Timber, square, in vessels.....	500		1,040										
Woodenware, &c.....		12	1										
Total, class 5.....	42,920	75,702	69,724	52,844	57,695	55,133	38,367	72,810	48,337	31,717	20,751	32,865	18,516
<i>Special class.</i>													
Coal.....	603	1,255		759	2,293	992	357	501		1,100	3,346	4,400	110,347
Stone, not suitable for cutting.....													
Kryolite.....													2,734
Iron ore.....													1,316
Total, special class.....	603	1,255		759	2,293	992	357	501		1,100	3,346	4,400	114,397
Grand total.....	262,585	385,782	353,863	277,023	225,491	218,969	190,476	224,110	221,074	165,337	190,547	237,226	396,743

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N.—STATEMENT showing the Number of Vessels which took their Cargoes of Wheat through the Welland Canal from Ports west of Port Colborne, the quantity transhipped at Kingston and the quantity of each through the St. Lawrence Canals to Montreal during the season of Navigation in 1907.

Name of Vessels.	Original Quantity through the Welland Canal.	Quantity transhipped at Kingston.	Cargo through the St. Lawrence Canals to Montreal.
	Tons.	Tons.	Tons.
Canadian Steamer Advance.. . . .	1,080		1,080
" " "	1,109	180	929
" " "	600		600
" " "	1,136	126	1,010
" " "	1,125		1,125
" " "	1,129		1,129
" " "	1,110		1,110
" " A. E. Ames.. . . .	1,620		1,620
" " "	1,560		1,560
" " "	1,605		1,605
" " "	1,575		1,575
" " "	1,560		1,560
" " "	1,575		1,575
" " "	1,380		1,380
" " "	1,440		1,440
" " "	1,425		1,425
" " Arabian	1,200		1,200
" " "	1,184		1,184
" " "	1,201		1,201
" " "	1,163		1,163
" " "	1,195		1,195
" " "	1,124		1,124
" " "	1,200		1,200
" " Bickerdike	1,390		1,390
" " "	1,455		1,455
" " "	1,380		1,380
" " "	1,364		1,364
" " "	1,360		1,360
" " "	1,370		1,370
" " City of Ottawa	918		918
" " "	900		900
" " City of Montreal.	960		960
" " "	870		870
" " "	900		900
" " Carleton.	2,048		2,048
" " Carunna.	1,320		1,320
" " "	1,301		1,301
" " "	1,341		1,341
" " Edmonton.	706		706
" " "	1,686		1,686
" " Haddington.	2,220		2,220
" " "	2,220		2,220
" " "	2,278		2,278
" " "	2,250		2,250
" " "	2,297		2,297
" " "	2,250		2,250
" " "	2,229		2,229
" " Neepawah	1,350		1,350
" " "	1,770		1,770
" " "	750		750
" " Nevada	1,440		1,440
" " "	1,380		1,380
" " "	1,170		1,170
" " H. M. Pellatt.	1,417		1,417
" " "	1,290		1,290
" " "	1,380		1,380
" " "	1,461		1,461
" " "	1,290		1,290
" " "	1,348		1,348
" " "	1,464		1,464
" " "	1,398		1,398

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N.—STATEMENT showing the Number of Vessels which took their Cargoes of Wheat through the Welland Canal from Ports west of Port Colborne, the Quantity transhipped at Kingston and the Quantity of each through the St. Lawrence Canals to Montreal during the season of Navigation in 1907.—*Concluded.*

Name of Vessels.	Original Quantity through the Welland Canal.	Quantity transhipped at Kingston.	Cargo through the St. Lawrence Canals to Montreal.
	Tons.	Tons.	Tons.
Canadian Steamer J. H. Plummer.....	1,357	.....	1,357
" " ".....	1,290	.....	1,290
" " ".....	1,260	.....	1,260
" " ".....	1,470	.....	1,470
" " ".....	1,399	.....	1,399
" " ".....	1,350	.....	1,350
" " ".....	1,110	.....	1,110
" " Pollux.	1,380	.....	1,380
" " Rosedale.....	823	.....	823
" " ".....	510	.....	510
" " ".....	1,771	.....	1,771
" " Stormount....	2,233	799	1,434
" " ".....	2,118	.....	2,118
" " Turret Cape.....	2,013	.....	2,013
" " Turret Chief.....	2,070	.....	2,070
" " Wahcondah.....	1,630	.....	1,630
" " ".....	768	.....	768
" " ".....	1,593	.....	1,593
" Barge Hamilton.....	1,908	.....	1,908
United States Steamer Bermuda.....	1,650	.....	1,650
" " J. S. Keefe.	2,310	.....	2,310
" " Jno. Lambert	2,250	.....	2,250
" " ".....	1,588	.....	1,588
" " ".....	750	.....	750
" " Marshall.. ..	1,560	83	1,477
" " R. Wallace	2,280	45	2,235
Total	125,658	1,233	124,425

Number of cargoes of Wheat.....	87	
Quantity through Welland Canal to Kingston.....		125,658 tons.
" transhipped at Kingston.....		1,233 "
" taken to Montreal in vesssels in which it arrived at Kingston..		124,425 "

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N.—STATEMENT showing the number of Vessels which took their Cargoes of Corn through the Welland Canal from Ports west of Port Colborne, the quantity transhipped at Kingston, and the quantity of each cargo through the St. Lawrence Canals to Montreal, during the Season of Navigation in 1907.

Names of Vessels.	Original Quantity through the Welland Canal.	Quantity transhipped to Kingston.	Cargo through the St. Lawrence Canal to Montreal.
	Tons.	Tons.	Tons.
Canadian Steamer Cataract.	1,114	.....	1,114
" " City of Ottawa.....	476	.....	476
" " City of Montreal.	672	.....	672
" " Iona	353	.....	353
United States Steamer J. H. Devereux—.....	1,972	.....	1,972
" " J. S. Keefe.	2,259	.....	2,259
" " J. Lambert	668	.....	668
" " "	1,487	.....	1,487
" " J. Sharples	2,156	.....	2,156
Total.....	11,157	.....	11,157

Number of Cargoes of Corn.....	Number. 9	Tons.
Quantity through Welland Canal to Kingston.		11,157
" transhipped at Kingston		
" taken to Montreal in vessels in which it arrived at Kingston		11,157

RECAPITULATION of the Number of Vessels passed Down the Welland Canal with Cargoes of Grain for Montreal; the quantity transhipped at Kingston, and the quantity taken to Montreal, for the season of Navigation in 1907.

	Number of Cargoes.	Total Number.
Wheat	87	
Corn	9	
Total.		96
	Tons.	Tons.
Quantity of wheat through the Welland Canal bound for Montreal....	125,653	
" corn " "	11,157	
Total through the Welland Canal.....		136,815
Quantity of the above transhipped at Kingston—		
Wheat	1,233	
Corn.....		
Total transhipped.....		1,233
Quantity of the above cargoes taken to Montreal in vessels in which it arrived at Kingston—		
Wheat.	124,425	
Corn.....	11,157	
Total quantity to Montreal.....		135,582
Grand total.....		136,815

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O.—STATEMENT showing the Quantity of Grain passed Down the Welland Canal to Kingston, Ogdensburg and other Ports; in Canadian and United States vesssel entering the Canal at Port Colborne, during the season of Navigation in 1907.

ARTICLES.	CANADIAN VESSELS.				UNITED STATES VESSELS.				TOTAL.	
	Steam.		Sail.		Steam.		Sail.		Steam and Sail.	
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.
	216	225,656	39	37,592	257	315,325	6	4,369	518	582,942
Barley		8,726		468		4,046				13,240
Corn		6,713		514		259,895		4,571		271,693
Oats		49,689		16,647		7,033				73,369
Pease						25				25
Rye						2,270				2,270
Wheat.....		294,248		50,808		130,818		4,429		480,303
Total.....		359,376		68,437		404,087		9,000		840,900

					Tons.
216	Cargoes in Canadian Vessels,	Steam,	total quantity.....		359,376
33	" " "	Sail	"		68,437
257	" United States "	Steam	"		404,087
6	" " "	Sail	"		9,000

P.—STATEMENT of the Quantity of Grain arrived at Kingston, Ogdensburg and Prescott, in Vessels which passed Down the Welland Canal, during the season of Navigation in 1907.

Summary.	Tons.	Tons.
Canadian Steam—216 Cargoes of Grain	359,376	
" Sail 39 " 	68,437	
Total in Canadian Vessels.		427,813
United States Steam—257 Cargoes of Grain	404,087	
" Sail 6 " 	9,000	
Total in United States Vessels.....		413,087
Total in Canadian and United States Vessels..		840,900
Distributed as follows :—		
120 Canadian and 14 United States Vessels arrived at Kingston and dis-		
charged part of their cargoes, taking the balance to Montreal		168,796
287 Vessels arrived at Kingston and discharged all their cargoes, as fol-		
lows :—		
171 Cargoes in Canadian Vessels....	274,855	
116 " United States Vessels	191,922	
Quantity transhipped and taken to Montreal.		466,777
Quantity remaining at Kingston, Ogdensburg, Prescott and American Perts....		205,327
Total.....		840,900

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Q.—COMPARATIVE STATEMENT of the Quantity of Grain passed Down the Welland Canal to Kingston and Ogdensburg, during the Seasons of Navigation in 1906 and 1907.

	1906.		1907.	
	No. of Cargoes	Tons.	No. of Cargoes	Tons.
Quantity arrived at Kingston in Canadian vessels.....	205	344,605	255	427,813
Quantity arrived at Kingston and Ogdensburg in United States vessels.....	188	269,800	263	413,087
Total	393	614,405	518	840,900
Quantity transhipped at Kingston and Ogdensburg in Cana- dian vessels for Montreal.....	.....	269,773	.....	*466,777
Quantity taken to Montreal in vessels in which it arrived at Kingston.....	.....	135,162	.....	168,796
Quantity remaining at Kingston, Ogdensburg and Cardinal..	.....	209,470	.....	205,327
Total.....	.....	614,405	.....	840,900

* Of this quantity, 2,994 tons were transhipped from Kingston, being grain of 1906. 134 vessels took their cargoes through in 1907, against 108 in 1906. 287 vessels discharged all their cargoes in 1907, against 185 in 1907.

8-9 EDWARD VII., A. 1909

S.—The quantity of Coal passed through the Welland Canal during a series of years from 1885 to 1907, inclusive, and the amount of Tolls heretofore collected thereon, now free, is as follows :—

YEARS.	From Canadian Ports to Canadian Ports.	From Canadian Ports to Canadian Ports.	From United States Ports to United States Ports.		From United States Ports to Canadian Ports.		Total.	Amount of Tolls paid. — Rate 20 cents a ton.
	Up.	Down.	Up.	Down.	Up.	Down.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	\$ cts.
1885.....			193,442	4,974	10,321	31,350	240,08	48,017 40
1886.....			184,564	5,400	22,187	49,724	261,875	52,375 00
1887.....			81,617	1,163	26,775	25,968	135,52	27,104 60
1888.....			172,381	878	17,365	27,183	217,807	43,561 40
1889.....			226,352	1,124	12,036	25,931	265,443	53,188 60
1890.....	80		116,616	615	17,280	22,781	202,372	38,222 30
1891.....			185,190	1,382	17,374	20,698	224,644	44,928 20
1892.....			183,244	651	12,391	15,330	211,616	42,284 13
1893.....			204,704	2,123	8,325	17,944	233,096	6,619 20
1894.....			187,794	727	1,269	13,947	203,737	40,789 93
1895.....	4		148,887	603	1,565	7,807	158,866	31,773 05
1896.....	20	210	206,093	1,255	4,127	11,740	223,445	44,668 20
1897.....		4	165,143		1,277	9,799	176,223	35,244 60
1898.....			156,055	759	986	4,536	162,336	32,467 20
1899.....			86,638	2,293	525	8,276	97,732	19,546 40
1900.....	8		45,032	992		1,360	47,392	9,478 40
1901.....			46,345	357	456	2,322	49,480	9,896 00
1902.....			12,410	501	65	51,037	64,013	12,845 60
1903.....	3		113,076		4,796	30,009	147,884	*29,576 80
1904.....	2,919		62,782	1,100	3,711	32,813	103,325	*20,665 00
1905.....			70,118	3,346	11,436	37,742	172,642	*34,528 40
1906.....	60		29,123	4,400	7,161	106,843	147,587	*29,517 40
1907.....	2,857		110,347		10,453	143,555	267,212	*53,442 40

NOTE.—Tolls on soft coal passed down the Welland Canal, during the season of 1890, were reduced from 20 to 10 cents a ton, per O.C. May 11, 1890, for the season of 1890 only ; the rate for 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901 and 1902, being 20 cents a ton for passage either eastward or westward. During 1906 all tolls were free. O.C. April 23, 1903.
* These tolls were “ free ” by O.C. April 27, '03.

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T.—STATEMENT showing the quantity of Coal passed through the whole length of the St. Lawrence Canal during the seasons of 1885 to 1907 inclusive.

YEARS.	Quantity passed up free of Tolls.	Quantity passed down to Montreal.	Total Quantity passed up and down.	Amount of Tolls Quantity passed down Montreal.
	Tons.	Tons.	Tons.	\$ cts.
1885.	5,035	122,829	127,864	18,424 35
1886.	3,301	118,802	122,103	17,820 70
1887.	7,579	121,618	129,197	18,242 70
1888.	8,341	123,050	131,391	18,423 90
1889.	5,360	124,290	129,650	18,604 90
1890.	6,538	135,168	141,706	20,275 20
1891.	7,951	141,701	149,652	21,255 15
1892.	7,543	157,134	164,677	23,570 10
1893.	2,285	147,139	149,424	22,070 85
1894.	16,213	169,552	185,765	25,432 80
1895.	.....	165,151	165,151	24,772 65
1896.	689	161,551	162,240	24,232 65
1897.	40	164,963	165,003	24,722 37
1898.	400	175,609	176,009	26,341 05
1899.	448	201,546	201,994	30,231 80
1900.	10	280,169	280,179	42,025 35
1901.	2,765	298,245	301,010	44,732 55
1902.	9,231	95,702	104,933	11,958 90
1903.	30	290,548	290,578	*43,555 73
1904.	9,670	320,973	330,643	*48,145 95
1905.	8,518	345,589	354,107	*51,808 33
1906.	6,989	313,080	320,069	*47,905 93
1907.	1,281	406,978	408,259	*50,440 20

NOTE.—Coal is allowed to pass free up the St. Lawrence Canal. Con. O.C. Oct. 26 1889.
*These tolls were 'free' by O.C. April 27, 1903.

8-9 EDWARD VII., A. 1909

U.—COMPARATIVE STATEMENT of the quantity of Freight passed down the Welland Canal, showing the quantity to Montreal, the quantity to Canadian Ports between Port Dalhousie and Cornwall, and the quantity to United States Ports, Oswego, Ogdensburg, &c., on the south side of Lake Ontario, for the years 1896 to 1907 inclusive.

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port-Dalhousie and Cornwall.	Quantity passed down to United States Ports.
1896.	Tons.	Tons.	Tons.
All other vegetables.....	29	.....	.....
Apples.....	+1,263	.....	.....
Ashes.....	94	.....	.....
Barley.....	240	.....	11,128
Cement and water-lime.....	12	.....	.....
Coal.....	.....	11,742	1,255
Corn.....	182,330	19,688	118,426
Crockery.....	5	.....	.....
Fish.....	.....	2	.....
Flour.....	11,964	13,846	16,224
Furniture.....	.....	3	.....
Glass.....	9	3	.....
Hay, pressed.....	.....	563	.....
Hides, skins, &c.....	.....	.....	41
Horses.....	1	1	3
Iron, railway.....	.....	1,192	.....
" pig.....	5	1,559	.....
" all other.....	2,020	1,725	.....
Lard and lard oil.....	.....	.....	1,348
Meal, all kinds.....	.....	500	46,456
Molasses.....	167	.....	.....
Oats.....	12,373	1,454	14,351
Oil, in barrels.....	23	.....	1,005
Pease.....	3,020	10	.....
Pork.....	1	.....	390
Rags.....	4	.....	.....
Rye.....	8,323	647	.....
Salt.....	.....	80	.....
Seeds of all kinds.....	20	.....	78
Steel.....	542	11,317	498
Sugar.....	1	.....	165
Tobacco.....	.....	1	.....
Wheat.....	*254,763	51,587	16,467
Wool.....	.....	8	900
Merchandise not enumerated.....	376	54	3,900
Barrels, empty.....	.....	.....	10
Firewood, in vessels.....	.....	.....	165
Sawn lumber.....	657	1,286	78,397
Shingles.....	.....	94	40
Square timber, in vessels.....	.....	55,588	.....
" in rafts.....	1,200	.....	.....
Woodenware.....	.....	.....	12
Total.....	479,442	172,950	311,349

† 523 tons of this quantity of apples paid full tolls by sections on the Welland Canal, and consequently does not appear on the Welland Through Statement.

* Of this amount 5,290 tons came down to Kingston in 1895, were stored there and transhipped to Montreal in 1896.

U —COMPARATIVE STATEMENT of the Quantity of Through Freight passed down the Welland Canal, &c.—*Continued.*

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports.
1897.	Tons.	Tons.	Tons.
Agricultural products, vegetables.....			32
Ashes	133		
Barley			14,173
Bricks		739	845
Clay, lime and sand	38	430	
Coal		9,803	
Corn.....	*264,396	11,103	115,689
Flaxseed.	3,293	169	
Flour.....	1,029	211	7,237
Furniture.....	1	5	
Glass.	53	9	
Hay, pressed.....			301
Horses.....	1	1	3
Hides and skins, &c			23
Iron, railway.....		6,241	965
" pig		2,828	
" all other.....	7,564	6,143	
Lard and lard oil			1,444
Meal, all kinds.....		699	41,644
Molasses.....	9		
Oats.	*6,847	3,046	15,233
Oil, in barrels.....	112	51	198
Pease.....	*2,078	3	
Pork.....			243
Rye.....	8,435	48	
Salt	216		
Stone for cutting.....		330	
Seeds, all kinds.....			299
Steel.....	375	4,680	
Sugar			31
Spirits, beer, &c.....	46		
Tobacco.....	51		
Wheat.....	*278,498	†39,057	12,661
Wool.....			197
Merchandise not enumerated..	1,214	347	3,591
Firewood, in vessels		12	
Hoops.....	257	8	
Lumber, sawn in vessels.....	478	1,158	69,710
Masts			403
"		5	
"		999	
Railway ties, in vessels.....		4	
Split posts			
Timber, square	1,207	81,117	1,040
Staves and headings, salt barrel.....	4,716		
Woodenware			1
Total.....	581,047	169,246	285,963

* Of this quantity of corn 573 tons came down to Ogdensburg and Prescott in 1896, were stored there and transhipped to Montreal in 1897.

* Of this quantity of oats 50 tons came down to Prescott in 1899 and passed down to Montreal in 1897, and 170 tons passed through on St. Catharines Reports; 136 tons of which passed down to Montreal.

* Of this quantity of pease 230 tons were transhipped and passed through on St. Catharines Reports.

* Of this quantity of wheat 624 tons were transhipped and passed through on St. Catharines Reports, and 7,072 tons came down to Kingston and Prescott in 1896 and passed down to Montreal in 1897.

† Of this quantity, 1,079 tons were transhipped and passed through on St. Catharines Reports.

8-9 EDWARD VII., A. 1909

U.—COMPARATIVE STATEMENT of the Quantity of Through Freight passed down the Welland Canal, &c.—Continued.

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports.
1898.	Tons.	Tons.	Tons.
Agricultural products, vegetable.....	56		
Ashes	73		
Barley.....	3,960	1,417	6,909
Cement and water-lime			300
Clay, lime and sand	52	1	
Coal		4,536	759
Corn.....	*310,498	13,338	116,317
Flaxseed.....	5,687	9	
Flour.....	653		4,212
Furniture.....			2
Glass	75		
Horses	4		
Iron, railway.....		674	770
" pig		4,187	
" all other.....	6,217	257	324
" ore.....		13,433	
Lard, and lard oil			3,671
Meal, all kinds.....			22,626
Molasses.....	56		
Oats..... c	3,975	625	12,729
Oil, in barrels.....	1,141	15	119
Paint.....			3
Pease.....	260		45
Pork.....			1,271
Rye	*16,133	39	
Salt	144	544	
Seeds, all kinds.			44
Spirits, beer, &c.	4		34
Steel.....	1,351	3,122	2,951
Stone for cutting		554	
Tallow.....			359
Wheat	*184,706	15,860	8,612
Wool			89
Merchandise not enumerated.....	866	25	3,828
Firewood, in vessels		747	
Lumber, sawn, in vessels.....	3,065	2,840	72,897
Railway ties.....		190	
Shingles.....		11	
Square timber.....	329	48,369	
Total,	539,305	110,893	258,871

* Of this quantity of corn, 2,349 tons came down to Ogdensburg and Prescott in 1887, were stored there, and transhipped to Montreal in 1898.
* Of this quantity of rye 45 tons came down to Prescott in 1897, were stored there, and transhipped to Montreal in 1898. A.M.
* Of this quantity of wheat, 4,165 tons came down to Kingston in 1897, were stored there, and transhipped to Montreal in 1898.

SESSIONAL PAPER No. 20a

U.—COMPARATIVE STATEMENT of the Quantity of Through Freight passed down the Welland, Canal, &c.—*Continued.*

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports.
1899.	Tons.	Tons.	Tons.
Agricultural products, vegetable....	32		
Ashes.....	58		
Barley.....	596		1,828
Clay, lime and sand.....	15		
Coal.....		8,276	2,293
Corn.....	*150,999	16,594	43,854
Flaxseed.....	200		
Flour.....	4,229	1,889	4,404
Furniture.....		2	7
Glass.....	6		
Horses.....	1		
Iron, ore.....		26,125	
" all kinds.....	5,063		194
Lard and lard oil.....		3	964
Meal, all kinds.....			18,198
Molasses.....	159		8
Nails.....	1	1	11
Oats.....	*10,250	1	13,139
Oil, in barrels.....	7,143	2	254
Paints.....			2
Pork.....			343
Rags.....			1
Rye.....	923		
Salt.....	183	479	549
Seeds, all kinds.....			11
Spirits, beer, &c.....	74	71	168
Steel.....	3,000	1,562	11,802
Stone for cutting.....		429	
Tallow.....			201
Tobacco.....	96		
Wheat.....	*269,978	23,602	9,190
Wool.....			130
Merchandise not enumerated....	518	126	6,219
Barrels, empty.....	1		
Firewood, in vessels.....		27	
Hop poles.....		100	
Lumber, sawn, in vessels.....	924	4,583	57,695
Masts and spars.....		3	
Railway ties.....		74	1,273
Shingles.....		50	
Square timber, in vessels.....	26	24,959	
Total....	354,485	108,958	172,738

* Of this quantity of corn 7,443 tons came down to Ogdensburg and Prescott in 1898, were stored there, and transhipped to Montreal in 1899.

* Of this quantity of oats 187 tons passed down from Dunville to Montreal.

* Of this quantity of wheat 6,447 tons passed down to Kingston in 1898, were stored there, and transhipped to Montreal in 1899.

8-9 EDWARD VII., A. 1909

U.—COMPARATIVE STATEMENT of the Quantity of Through Freight passed down the Welland Canal, &c.—Continued.

Articles.	Quantity passed down to Montreal.	Quantity passed down to United States Ports.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.
1900.	Tons.	Tons.	Tons.
Agricultural products, vegetable		1	6
Ashes	25	15	
Barley	1,288	563	1,598
Cement and water-lime			18
Clay, lime and sand	15		
Coal		1,360	992
Corn	*109,359	9,844	44,306
Flour	1,595	990	6,371
Furniture	1		
Glass, all kinds	6	4	
Horses			4
Iron, pig	508	1,284	
" all other	4,292	1,044	714
" ore		58,400	
Lard and lard oil			1,588
Meal (all kinds)			14,244
Molasses		21	57
Oats	*8,925	348	30,840
Oil, in barrels	15,647	4,288	17
Oil-cake			2,705
Paint		2	36
Pease	115		4
Pitch and tar		24	
Pork			117
Rye	3,078	160	300
Salt		467	
Soda ash		15	
Steel	5,420		2,601
Sugar			154
Tallow			631
Wheat	*121,896	6,610	7,541
White lead	16		
Merchandise not enumerated	103	154	7,899
Barrels, empty	182	407	5
Firewood, in vessels		1,143	
Lumber, sawn, in vessels	15,760	5,701	55,128
Shingles		90	
Square timber, in vessels		20,267	
Staves		3	
Total	288,231	113,205	177,876

* Of this quantity of corn 751 tons came to Ogdensburg, Kingston and Prescott in 1889, were stored there, and transhipped to Montreal in 1900
* Of this quantity of oats 585 tons came down to Ogdensburg, Kingston and Prescott in 1899, were stored there, and transhipped to Montreal in 1900.
* Of this quantity of wheat 10,835 tons came down to Ogdensburg, Kingston and Prescott in 1900, were stored there, and transhipped to Montreal in 1900.

SESSIONAL PAPER No. 20a

U.—COMPARATIVE STATEMENT of the Quantity of Through Freight passed down the Welland Canal, &c.—*Continued*

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports.
1901.	Tons.	Tons.	Tons.
Agricultural implements.....	1,785	.....	.....
" products, vegetable.....	.....	.....	10
Ashes.....	3	.....	.....
Barley.....	.....	.....	7,119
Coal.....	.....	2,322	357
Corn.....	14,319	4,828	48,609
Flaxseed.....	4,965	2	.....
Flour.....	1,400	218	15,768
Furniture.....	5	.....	.....
Glass (all kinds).....	1	.....	.....
Hay, pressed.....	246	.....	.....
Iron, pig.....	.....	1,790	.....
" all other.....	1,178	589	.....
" ore.....	.....	98,452	.....
Lard and lard oil.....	1,155	827	525
Meal (all kinds).....	35	.....	13,681
Meats.....	114	7	.....
Molasses.....	.....	17	.....
Oats.....	1,584	853	25,704
Oil (in barrels).....	14,987	2,971	22
Oil-cake.....	1,083	113	219
Paint.....	17	6	.....
Pitch and tar.....	.....	17	.....
Pork.....	34	970	10
Rye.....	2,961	.....	.....
Salt.....	50	165	105
Soda ash.....	4	.....	.....
Spirits, &c.....	32	.....	.....
Sugar.....	112	.....	448
Tallow.....	.....	.....	119
Tobacco, raw.....	23	.....	.....
Wheat.....	*132,702	8,051	9,057
Wool.....	.....	.....	3
Merchandise not enumerated.....	2,420	1,395	966
Barrels, empty.....	66	.....	216
Firewood, in vessels.....	.....	1,287	.....
Lumber, sawn, in vessels.....	2,635	3,412	51,931
Mast spars, &c. ....	.....	13	.....
Shingles.....	.....	18	.....
Square timber, in vessels.....	504	14,023	.....
Total.....	184,420	142,346	175,169

* Of this quantity 9,324 tons came to Ogdensburg in 1900, were stored there, and transhipped to Montreal in 1901.

8-9 EDWARD VII., A. 1909

U.—COMPARATIVE STATEMENT of the Quantity of Through Freight passed down the Welland Canal, &c.—Continued.

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports.
1902.	Tons.	Tons.	Tons.
Agricultural implements	12		399
Barley			7,418
Coal	15,976		35,562
Corn	1,719	10,335	55,593
Fish		1	
Flour	6,755	5,897	7,030
Furniture			17
Iron, railway	50		
" all other	5,785		220
" ore		3,492	18,988
Lard, and lard oil			2,413
Meal, all kinds			12,675
Molasses	54	18	
Oats	1,442		9,764
Oil (in barrels)	12,091	131	1,594
Oil cake			110
Paint		20	
Pitch and tar		33	
Pork			632
Rye	4,079		
Seeds, all kinds			10
Sugar			280
Wheat	* 200,975	12,452	8,389
Wool			752
Merchandise not enumerated	419	172	1,928
Barrels (empty)	5	15	
Firewood, in vessels		288	
Lumber, sawn, in vessels	1,085	1,178	97,300
Saw logs		28	
Square timber, in vessels		20,838	
Staves (barrel)		35	
Woodenware	17		
Total	250,475	55,733	361,078

* Of this quantity 6,096 tons were transhipped to Montreal, being grain of 1901.

SESSIONAL PAPER No. 20a

U.—COMPARATIVE STATEMENT of the Quantity of Through Freight passed down the Welland Canal, &c.—*Continued.*

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports.
1903.	Tons.	Tons.	Tons.
Agricultural implements.....	46		
" products.....		1	
Ashes.....	14		
Barley.....	2,206	1,017	11,433
Coal.....		30,009	
Corn.....	116,223	13,846	80,689
Flax and hemp.....		5	
Flaxseed.....	3,643		
Flour.....	16,151		6,082
Furniture.....	3	10	
Glass, all kinds.....	15		
Horses..			2
Iron, railway.....		15	
" all other.....	2,542	556	
" ore.....		18,323	
Meal, all kinds.....	348		13,549
Molasses.....	240	16	
Nails.....	19		
Oats.....	2,438		5,315
Oil.....	14,619	518	2,000
Oil cake.....	462	792	740
Paint.....	5		
Pease.....	63		22
Pork.....			153
Rags.....	4		
Rosin.....	20		
Rye.....	4,260		644
Salt.....	132	2,242	
Seeds, all kinds.....			27
Spirits.....	2		3
Steel.....		5	
Tallow.....	3	15	
Wheat.....	* 226,746	14,199	13,725
Wool.....			482
Merchandise not enumerated.....	582	117	2,012
Firewood, in vessels.....		210	9
Lumber, sawn, in vessels.....		3,086	76,563
Shingles.....		54	
Timber, square, in vessels.....		26,324	
Total.....	390,786	111,360	213,449

* Of this quantity 2,890 tons were transhipped to Montreal, being grain of 1902.

8-9 EDWARD VII., A. 1909

U. --COMPARATIVE STATEMENT of the Quantity of Through Freight passed down the Welland Canal, &c.—Continued.

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports.
1904.	Tons.	Tons.	Tons.
Agricultural implements	17		353
Apples	1		
Ashes	16		3
Barley	9,697	853	16,621
Cement and water-lime	35		
Coal		32,813	1,100
Corn	55,921	3,950	57,473
Dye woods and dye stuffs		2	
Flaxseed	212		
Flour	24,662	635	8,556
Furniture	6	12	
Glass, all kinds	3		1
Hides and skins	10	1	
Iron, railway	8,170		2,166
" all other	1,651		1,306
" ore	17,362		19,460
Meal, all kinds	57		13,096
Nails		18	
Oats			16,497
Oil, in barrels	12,848		1,755
Oil cake	7,846	2	
Paint		10	17
Pease			3
Pitch and tar		180	
Pork			379
Salt	615	478	
Steel	16	1	
Spirits, &c	766	458	
Sugar			53
Tallow		2	
Tin	87	28	
Wheat	*133,428	18,908	11,929
Wool			134
Merchandise	713	102	1,554
Firewood			717
Hop poles			154
Railway ties			652
Sawn lumber, in vessels		9,743	86,979
Square timber, in vessels	1,544	35,697	
Salt barrels	394		
Total	275,277	103,803	240,998

* Of this quantity 4,014 tons were transhipped to Montreal, being grain of 1903.

SESSIONAL PAPER No. 20a

U.—COMPARATIVE STATEMENT of the Quantity of Through Freight passed down the Welland Canal, &c.—*Continued.*

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports.
1905.	Tons.	Tons.	Tons.
Agricultural implements.....			552
Barley.....	43,607	2,628	9,197
Bricks.....		15	
Clay, lime and sand.....	22	200	
Coal.....	29,351	58,391	3,346
Corn.....	84,204	3,095	93,622
Crockery and earthenware.....	93		
Flax seed.....	15,694		
Flour.....	14,571	14,458	9,483
Glass, all kinds.....	21	4	
Hay, pressed.....		200	
Hides and skins.....		46	
Iron, railway.....	10	1,531	
" pig.....		980	
" all other.....	384	2,160	
" ore.....	3,837	18,544	
Lard and lard oil.....	2,847		
Meats, other than pork.....			87
Meal, all kinds.....	270	200	9,336
Molasses.....	820	63	
Nails.....	64		1
Oats.....	21,404	3,776	10,892
Oil, in barrels.....	20,700	3,082	
Oil cake.....	9,229	662	225
Paint.....		42	
Pease.....			76
Pitch and tar.....	53		
Pork.....			273
Rags.....			4
Rye.....	1,711		
Salt.....	168	36	
Seeds, all kinds.....			43
Soda ash.....	59	8	
Spirits, &c.....	635	104	
Steel.....	48		
Sugar.....	2,019		53
Tallow.....	53		
Tin.....	53		
Tobacco.....	204		
Wheat.....	*190,505	32,562	15,483
White lead.....			7
Wool.....			21
Merchandise.....	851	205	2,008
Barrels, empty.....			3
Firewood.....			2,700
Railway ties.....			2,248
Sawn lumber, in vessels.....	3,957	12,794	74,279
Square timber, ".....	1,260	9,500	
Shingles.....			62
Split posts, in vessels.....			12
Total.....	448,704	165,286	234,017

* Of this quantity 2,809 tons were transhipped to Montreal, being grain of 1904.

8-9 EDWARD VII., A. 1909

U.—COMPARATIVE STATEMENT of the quantity of Through Freight passed down the Welland Canal, &c.—*Continued.*

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports.
1906.	Tons.	Tons.	Tons.
Agricultural products, vegetables.....			1
Agricultural implements.....			494
Ashes.....	42		
Barley.....	21,196	984	9,266
Cement and water-lime.....		1	
Coal.....		106,843	4,400
Corn.....	55,559	15,688	140,558
Flaxseed.....	80,570	3,392	756
Flour.....	9,174	70	8,916
Furniture.....	6		1
Glass, all kinds.....	11		
Hides, skins, &c.....	2		
Iron, all other.....	269	1,070	27
" pig.....		1,691	
" railway.....		1,091	
Lard and lard oil.....	4,810	2	
Meal, all kinds.....	60		10,668
Nails.....		11	
Oats.....	37,164	819	11,323
Oils.....	18,995	5,134	
Ore, iron.....		5,862	
Pease.....		11	
Pork.....		268	
Rye.....	1,405	6	
Salt.....	75	19	
Seeds, all kinds.....		3	3
Soda ash.....	30		
Steel.....		2	
Sugar.....			840
Spirits, all kinds.....	614	370	
Wheat.....	*289,611	15,834	14,972
Wool.....			89
Merchandise.....	466	337	2,324
Barrels, empty.....			2
Firewood.....		54	3,609
Lumber sawn, in vessels.....	100	39,207	27,701
Railway ties, ".....		849	
Staves.....	1,500		
Shingles.....			53
Timber, square, in vessels.....	1,500	10,000	
Total.....	523,159	209,628	236,003

* Of this quantity 4,191 tons were transhipped to Montreal, being grain of 1905.

SESSIONAL PAPER No. 20a

U.—COMPARATIVE STATEMENT of the Quantity of Through Freight passed down the Welland Canal, &c.—*Concluded.*

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports. ³
1907.	Tons.	Tons.	Tons..
Barley.....	9,936	492	2,812
Cement and water-lime.....		58	
Coal.....	70,489	73,066	
Corn.....	106,299	31,901	133,493
Flour.....	3,730	61	18,898
Glass, all kinds.....	4		
Hay, pressed.....		81	
Hides and skins, &c.....		1	
Iron, pig.....		3,360	1,303
" all other.....	124	106	30
" ore.....		20,990	
Lard and lard oil.....		86	
Meal, all kinds.....		682	21,976
Nails.....			3
Oats.....	67,063	1,535	4,741
Oil.....	22,111	10,995	7
Oil cake.....			114
Pease.....			25
Pork.....			429
Paint.....		11	1
Pitch and tar.....	101	30	
Rye.....	2,266	2	2
Flaxseed.....	49,159	1,635	
Salt.....	143	103	
Seeds, all kinds.....	20		17
Soda, ash.....	15		
Sugar.....		5	1,250
Spirits, all kinds.....	1,224	561	
Wheat.....	*450,009	8,072	22,222
White lead.....			4
Wool.....			30
Merchandise, not enumerated.....	2,294	15	3,776
Barrels, empty.....			1
Firewood, in rafts.....			1,980
Lumber, sawn, in vessels.....		1,595	41,087
Railway ties.....			2,151
Shingles.....			70
Square timber.....	4,180	13,442	
Total.....	789,167	168,455	256,422

* Of this quantity, 2,934 tons were transhipped to Montreal, being grain of 1906.

U.—STATEMENT showing the Quantity of Through Freight passed down the Welland Canal, &c.—Continued.

RECAPITULATION—Continued.

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States. Ports on the south side of Lake Ontario.
1896.	Tons.	Tons.	Tons.
Barley...	240	.....	11,128
Corn	181,330	19,688	118,426
Oats.....	12,373	1,454	14,351
Rye.....	3,020	10	.....
Wheat	8,323	647	.....
	254,763	51,564	16,467
Total grain.....	†461,049	73,386	160,372
Other articles	18,393	99,564	150,977
Total.....	749,442	172,959	311,349
1897.			
Barley.....	.....	.....	14,173
Corn	264,396	11,103	115,689
Oats	6,774	3,046	15,233
Pease.....	2,078	3	.....
Rye.....	8,435	48	.....
Wheat	278,498	39,057	12,661
Total grain..	*560,254	53,257	157,756
Other articles.....	20,793	114,989	122,207
Total.....	581,047	166,246	285,963
1898.			
Barley.....	3,960	1,417	6,909
Corn....	310,498	13,338	116,317
Oats . .	3,975	625	12,729
Pease.....	260	.....	45
Rye.....	16,133	39	.....
Wheat.....	184,706	15,860	8,612
Total grain	**519,532	31,279	144,612
Other articles.....	19,773	79,614	114,259
Total.....	539,305	110,893	258,871

† Of this amount, 5, 290 tons came down to Kingston in 1895, was stored there, and transhipped to Montreal in 1906.
* Of this quantity, 7,695 tons came down in 1896 and were transhipped to Montreal in 1897.
**Of this quantity, 6,550 tons came down in 1897 and were transhipped in 1898.

SESSIONAL PAPER No. 20a

U.—STATEMENT showing the Quantity of Through Freight passed down the Welland Canal, &c.—*Continued.*RECAPITULATION—*Continued.*

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports on the south side of Lake Ontario.
1899.	Tons.	Tons.	Tons.
Barley	568		1,828
Corn	150,999	16,594	43,854
Oats	10,250	1	13,139
Pease			
Rye	923		
Wheat	169,978	24,602	9,190
Total grain	‡ 332,736	40,197	68,011
Other articles	21,739	68,671	104,727
Total	354,485	108,958	172,732
1900.			
Barley	1,288	563	1,598
Corn	109,358	9,844	44,406
Oats	8,925	348	30,840
Pease	115		4
Rye	3,078	160	300
Wheat	121,896	6,610	7,541
Total grain	**244,661	17,525	84,589
Other articles	43,670	95,680	93,287
Total	288,231	113,205	177,876
1901.			
Barley			
Corn	14,319	4,828	49,609
Oats	1,584	853	25,704
Pease			
Rye	2,961		
Wheat	132,702	8,051	9,057
Total grain	†151,566	13,732	83,370
Other articles	32,854	128,614	91,799
Total	184,420	142,346	175,169
1902.			
Barley			7,418
Corn	1,719	10,335	55,583
Oats	1,412		9,764
Pease			
Rye	4,079		
Wheat	200,975	12,452	8,389
Total grain	‡208,215	22,787	81,165
Other articles	42,260	32,946	179,914
Total	250,475	55,733	261,078

‡ Of this quantity, 14,077 tons came down in 1898 and were transhipped to Montreal in 1899.

** Of this quantity, 12,171 tons came down in 1899 and were transhipped to Montreal in 1900.

† Of this quantity, 9,324 tons came down in 1900 and were transhipped to Montreal in 1901.

‡ Of this quantity, 6,096 tons came down in 1901 and were transhipped to Montreal in 1902.

8-9 EDWARD VII., A. 1909

U.—STATEMENT showing the Quantity of Through Freight passed down the Welland Canal, &c.—*Continued.*

RECAPITULATION—*Continued.*

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports on the south side of Lake Ontario.
1903.	Tons.	Tons.	Tons.
Barley..	2,206	1,017	11,433
Corn	116,223	13,846	80,689
Oats.	2,438		5,315
Pease.	63		22
Rye.	4,200		644
Wheat.	226,746	14,199	13,725
Total grain.	§351,936	29,062	111,828
Other articles.	38,850	82,298	101,621
Total	390,786	111,360	213,449
1904.			
Barley	9,697	853	16,621
Corn.	55,021	3,950	57,473
Oats.			16,497
Pease			3
Rye.			
Wheat.	*133,528	18,908	11,929
Total grain.	198,246	23,711	102,523
Other articles.	77,031	80,092	138,475
Total.	375,277	103,803	240,998
1905.			
Barley.	43,607	2,628	9,197
Corn	84,204	3,095	93,622
Oats.	21,404	3,776	10,892
Pease.			76
Rye.	1,711		
Wheat.	190,505	32,562	15,483
Total grain.	**341,431	42,061	129,270
Other articles.	107,273	123,225	104,747
Total.	448,704	165,286	234,017
1906.			
Barley.	21,196	984	9,266
Corn.	55,559	15,688	140,558
Oats.	37,164	819	11,323
Pease.		11	
Rye.	1,405	6	
Wheat.	***289,611	15,843	14,972
Total grain.	404,935	33,351	176,119
Other articles.	118,224	176,277	59,884
Total	523,159	209,628	236,003

§ Of this quantity, 2,890 tons came down in 1902 and were transhipped in 1903.
* Of this quantity, 4,014 tons were transhipped to Montreal, being grain of 1903.
** Of this quantity, 2,809 tons were transhipped to Montreal, being grain of 1904.
*** Of this quantity, 4,191 tons were transhipped to Montreal, being grain of 1905.

SESSIONAL PAPER No. 20a

U.—STATEMENT showing the Quantity of Through Freight passed down the Welland Canal &c.—*Concluded.*

RECAPITULATION—*Concluded.*

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports on the south side of Lake Ontario.
1907.	Tons.	Tons.	Tons.
Barley.....	9,936	492	2,812
Corn.....	106,299	31,901	133,493
Oats.....	67,063	1,565	4,741
Pease.....			25
Rye.....	2,266	2	2
Wheat.....	†450,009	8,072	22,222
Total grain.	635,573	42,032	163,295
Other articles	153,594	126,423	93,127
Total.....	789,167	168,455	256,422

† Of this quantity, 2,994 tons were transhipped to Montreal, being grain of 1906.

COMPARATIVE STATEMENT showing the quantity of Vegetable Food and Lumber passed through the Canals during the years ended December 31, 1906 and 1907.

	VEGETABLE FOOD.										Lumber.	Total.	
	Flour.	Wheat.	Corn.	Barley.	Oats.	Rye.	Buck- wheat.	All other.					
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.			
Welland canal, 1906.....	18,294	326,798	211,805	31,446	49,306	1,784	.....	1,739	61,555	720,127	4,551	938,120
" 1907.....	22,739	488,565	271,693	13,240	73,369	2,270	.....	2,683	.....	.....	
Increase	4,445	161,767	59,888	.....	24,063	486	.....	11,944	.....	17,993		
Decrease .....	.....	.....	.....	18,206	.....	.....	.....	.....	26,394	.....		
St. Lawrence canals, 1906	14,737	336,246	83,483	27,989	47,412	1,407	764	6,607	86,579	605,224	85,791	827,411	
" 1907.....	7,585	501,888	135,166	14,399	73,455	2,729	48	6,377	85,791	.....		
Increase.....	.....	165,642	51,683	.....	26,043	1,322	.....	.....	.....	2,217		
Decrease	7,152	.....	.....	13,590	.....	.....	716	230	785	.....		
Chambly canal, 1906	945	11	24	5	1,065	.....	.....	1,594	98,926	102,570	82,818	87,081
" 1907.....	904	9	113	.....	1,938	.....	.....	1,297	82,818	87,081		
Increase.....	41	2	89	.....	873	.....	.....	297	16,108	15,489		
Decrease .....	.....	.....	.....	5	.....	.....	.....	.....	.....	.....
Ottawa canals, 1906	97	.....	.....	.....	1,510	.....	.....	275	299,811	301,693	220,971	223,932
" 1907.....	57	.....	5	.....	1,429	.....	2	1,467	220,971	223,932		
Increase.....	40	.....	5	.....	81	.....	2	1,192	78,840	77,761		
Decrease .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rideau canal, 1906.....	416	896	204	50	1,226	.....	.....	462	26,172	29,426	22,644	26,080
" 1907.....	426	957	729	1,185	13	3	126	22,644	26,080			
Increase.....	10	61	525	50	41	13	3	336	3,528	3,346			
Decrease			

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St. Peter's canal, 1905.....	1,460	39	1,868	5,933	9,403	18,703
" 1906.....	1,384	23	3,156	5,806	7,331	17,704
Increase .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Decrease	76	.....	16	.....	1,288	.....	.....	.....	127	2,072	999
Trent Valley canals, 1906.....	71	695	7	.....	.....	.....	.....	.....	214	1,815	2,835
" 1907.....	17	221	23	.....	23	18	.....	.....	526	4,381	5,201
Increase. ....	.....	.....	16	.....	.....	.....	.....	.....	312	2,566	2,366
Decrease	54	474	.....	.....	.....	.....	.....	.....	.....	.....	.....
Murray canal, 1906.....	34	27	51	.....	12	.....	.....	.....	252	1,545	2,016
" 1907.....	75	.....	.....	.....	.....	.....	.....	.....	1,012	766	2,693
Increase.....	41	.....	.....	.....	.....	.....	.....	.....	760	.....	677
Decrease.....	.....	27	51	.....	12	.....	.....	.....	.....	779	.....
Sault Ste. Marie canal, 1906.....	268,108	1,031,679	4,068	.....	144,051	3,934	.....	.....	17,421	55,615	1,610,423
" 1907.....	345,457	1,481,999	2,604	.....	189,307	8,626	.....	.....	25,648	62,691	2,242,825
Increase	77,349	450,320	.....	.....	45,256	4,692	.....	.....	8,227	7,076	632,402
Decrease .....	.....	.....	1,464	.....	.....	.....	.....	.....	.....	.....	.....
Total, increase... ..	74,482	777,287	110,675	.....	97,412	6,495	.....	.....	21,445	.....	978,060
Total, decrease.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	118,864	.....

Total for year 1906.....	3,393,017
" 1907.....	4,371,077

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, Mry 8, 1908.

RICHARD DEVLIN,
Compiler of Canal Statistics

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CANAL
COMPARATIVE STATEMENT for years

	January.	February.	March.	Avril.	May.
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
Welland canal, 1906				8,433 33	21,269 06
" 1907.				9,532 60	29,034 40
Increase				1,099 29	7,765 34
Decrease					
St. Lawrence canals, 1906	115 26	183 61	306 30	1,343 02	14,056 89
" 1907	256 18	45 50		238 52	18,227 97
Increase	140 92	138 11			4,171 08
Decrease			306 30	1,104 50	
Chambly canal, 1906				27 55	2,757 49
" 1907				5 47	4,422,86
Increase					1,665 37
Decrease				22 08	
Ottawa canals, 1906				737 27	4,695 15
" 1907					3,652 26
Increase					
Decrease				737 27	1,042 89
Rideau canal, 1906				59 64	820 93
" 1907					777 97
Increase					
Decrease				59 64	42 96
St. Peter's canal, 1906	12 60			66 69	293 33
" 1907	21 77				256 83
Increase	9 17				
Decrease				66 69	36 50
Trent Valley canals, 1906				2 45	129 13
" 1907				7 30	81 55
Increase				4 85	
Decrease					47 58
Murray canal, 1906				67 20	71 79
" 1907				3 23	187 97
Increase					116 18
Decrease				63 97	
Sault Ste. Marie canal, 1906					
" 1907					
Increase					
Decrease					
Total, Increase	150 09				12,548 04
Total, Decrease		138 11	306 30	950 01	

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REVENUE.

ending December 31, 1906 and 1907.

June.	July.	August.	September.	October.	November.	Décember.	Total.
\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
19,379 35	20,870 82	23,532 03	20,561 70	23,716 09	21,329 33	4,282 76	163,374 45
29,001 85	29,975 41	33,013 06	28,476 86	33,134 15	21,398 84	3,183 51	216,750 68
9,622 50	9,104 59	9,481 03	7,915 16	9,418 06	69 51	1,099 25	53,376 23
21,383 27	23,149 03	21,725 20	22,051 88	18,878 04	18,758 11	1,071 06	143,021 67
22,280 09	26,787 14	24,403 17	25,124 30	23,988 87	21,632 02	3,466 12	166,449 88
896 82	3,638 11	2,677 97	3,072 42	5,110 83	2,873 91	2,395 06	23,428 21
4,534 66	5,461 24	5,156 43	4,187 80	5,438 83	2,625 18	79 28	30,189 18
5,007 81	6,159 84	5,880 94	5,288 88	6,218 77	2,839 19	79 28	35,903 04
473 15	698 60	724 51	1,101 08	779 94	214 01	79 28	5,713 86
4,662 76	5,359 49	5,359 07	4,039 69	3,817 99	2,067 78	25,329 44	30,739 20
3,524 54	3,726 43	4,246 26	3,737 76	4,083 54	2,358 65	25,329 44	25,329 44
1,138 22	1,633 06	1,112 81	301 93	265 55	290 87	5,409 76	5,409 76
931 80	1,058 24	1,516 15	1,179 91	847 82	693 42	7,107 91	7,107 91
932 09	1,293 63	1,343 62	946 65	833 56	590 45	6,717 97	6,717 97
29	235 39	172 53	233 26	14 26	102 97	389 94	389 94
324 20	328 45	377 93	377 88	375 75	329 84	172 03	2,658 70
286 69	319 57	340 68	376 60	376 57	348 05	235 54	2,562 30
37 51	8 88	37 25	1 28	82	18 21	63 51	96 40
190 04	266 24	279 32	130 00	119 44	58 95	1,175 57	1,175 57
196 71	347 23	346 95	211 34	168 61	68 24	1,427 93	1,427 93
6 67	80 99	67 63	81 34	49 17	9 29	252 36	252 36
166 44	241 95	329 06	163 53	123 85	118 10	1 10	1,283 02
194 43	349 14	381 28	216 39	234 62	73 56	1,640 62	1,640 62
27 99	107 19	52 22	52 86	110 77	44 54	1 10	357 60
9,851 69	12,222 93	11,680 77	11,686 39	15,720 88	3,328 29	1,437 50	77,232 16

Total, Revenue for 1905..... \$379,549 70
" 1906.. 456,781 86

RICHARD DEVLIN, *Compiler of Canal Statistics.*

8-9 EDWARD VII., A. 1909

APPENDIX A.

No. 1.—GENERAL STATEMENT showing the Quantity of each Article transported on the Welland Canal and the Amount of Tolls heretofore collected (now free) during the Season of Navigation in 1907.

Articles.	From Canadian to Canadian Ports.		From Canadian to American Ports.		From American to American Ports.		From American to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.		Total Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		\$	cts.	
Ashes, pot and pearl.....														
Apples.....	52								59		59	8	85	8 85
Agricultural products not enumerated, vegetables....														
Agricultural products not enumerated, animal....														
Agricultural implements....	3,890	9,194				2,812	1,234		3,890	13,240	3,890	583	50	583 50
Barley.....											13,240	1,324	00	1,324 00
Bricks.....	600								600		600	90	00	90 00
Bones.....														
Brimstone.....														
Buckwheat.....	1,841						58		1,841	58	1,899	276	15	276 15
Cement and water lime....	239								239		239	35	85	35 85
Clay, lime and sand.....	1,282								123,657	143,555	267,212	24,731	40	28,711 00
Coal.....			1,575		110,347		143,555				271,693	27,169	30	53,442 40
Corn.....		250			124,474		144,969							27,169 30
Cattle.....														
Cotton (raw).....	135				5				140		140	21	00	21 00
Crockery and earthenware.														
Dye wood and dye stuffs..									20		20	3	00	3 00
Fish.....														
Flax and hemp.....														
Flour.....	50	2,276				18,898	1,515		50	22,689	22,739	7	50	4,537 80
Furniture.....	3								3		3	0	45	0 45
Gypsum.....														
Glass (all kinds).....	279	4							279	4	283	41	85	42 65
Hay (pressed).....	1,096	81							1,096	81	1,177	164	40	180 60
Hogs.....														
Horses.....			1						1		1	0	15	0 15
Hides and skins, horns and hoofs.....														
Ice.....		1									1	0	20	0 20

[illegible]

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total, Tons.	Amount of Tolls, Up.	Amount of Tools Down.	Total Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		\$ cts.	\$ cts.	\$ cts.
" rafts....														
Hoops.....														
Hop poles.....														
Lumber sawn in vessels....			879	26,773		14,314		1,595	879	42,682	43,561	158 07	7,679 00	7,837 07
" rafts.....														
Masts, spars, and telegraph poles, in vessels....														
" rafts.....														
Railway ties, in vessels....						2,151				2,151	2,151		343 72	343 72
" rafts.....														
Saw logs.....	254		133						387		387	35 36		35 36
Staves and headings, barrel														
" pipe.....														
" W. India.....														
Staves, salt barrel.....						70				70	70		48 75	48 75
Shingles.....														
Split posts and fence rails, in vessels.....														
" rafts.....														
Timbers square, in vessels....		5,042						12,580		17,622	17,622		2,643 27	2,643 27
" rafts.....														
Traverses.....														
Woodenware and wood partly manufactured....	8								8		8	3 20		3 20
Total freight heretofore paying tolls, now free....	39,989	452,519	2,611	26,773	177,660	219,083	10,453	525,593	230,713	1,223,968	1,454,681	40,390 33	149,126 06	189,516 39
<i>Articles having passed the full length of the St. Lawrence Canals, free:—</i>														
Bricks.....	550		6						556		556			
Cement and water-lime....			13						13		13			
Clay, lime and sand.....	100								100		100			
Fish.....			39						39		39			
Iron, railway.....	4,119								4,119		4,119			

[illegible]

* Amount of damages, not included in above, \$1,062.23.

RICHARD DEVLIN,
Compiler of Canal Statistics.

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 8, 1907.

APPENDIX A—Continued.

No. 2 —GENERAL STATEMENT showing the Quantity of each Through Article transported on the Welland Canal and the Amount of Tolls heretofore collected (now free) during the Season of avigation in 1907.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls, Up.		Amount of Tolls Down.	Total Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		\$	cts.		
Ashes, pot and pearl															
Apples	52									59			8 85		8 85
Agricultural products not enumerated, vegetables.															
Agricultural products not enumerated, animal.															
Agricultural implements.	3,890									3,890			583 50		583 50
Barley		9,194				2,812		1,234			13,240			1,324 00	1,324 00
Bricks	600									600			90 00		90 00
Bones															
Brimstone															
Buckwheat															
Cement and water lime	1,841									1,841	58		276 15	11 60	287 75
Clay, lime and sand	239									239			35 85		35 85
Coal	1,282		1,575		110,347		10,453	143,555		123,657	143,555		24,731 40	28,711 00	53,442 40
Corn		250				124,474		146,969			271,693			27,169 30	27,169 30
Cattle															
Cotton (raw)															
Crockery and earthenware.	135				5					140			21 00		21 00
Dye wood and dye stuffs															
Fish					20					20			3 00		3 00
Flax and hemp.															
Flour	50	2,276				18,898		1,515		50	22,689		7 50	4,537 80	4,545 30
Furniture	3									3			0 45		0 45
Gypsum															
Glass (all kinds)	279	4								279	4		41 85	0 80	42 65
Hay (pressed)	1,096	81								1,096	81		164 40	16 20	180 60
Hogs															
Horses				1						1			0 15		0 15
Hides and skins, horns and hoofs.															
Ice		1									1			0 20	0 20

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Iron, railway.....	961	961	961	144 15	144 15
" pig.....	53	3,360	53	1,303	4,716	932 60	940 55	940 55
" all other.....	6,542	.....	30	.....	6,542	230	.....	6,802	52 00	1,033 30	.....	1,033 30
Iron ore.....	.....	1,754	1,316	.....	1,316	19,236	.....	22,306	1,049 50	1,115 30	.....	1,115 30
Kryolite or chemical ore.....	.....	.....	2,734	.....	2,734	.....	.....	2,734	.....	136 70	.....	136 70
Lard and lard oil.....	12	.....	.....	.....	12	86	.....	98	17 20	19 00	.....	19 00
Meal, all kinds.....	.....	590	.....	21,976	.....	92	.....	22,568	4,531 60	4,531 60	.....	4,531 60
Meat, other than pork.....	15	.....	.....	.....	15	.....	.....	15	.....	2 25	.....	2 25
Marble.....	2	.....	.....	.....	2	.....	.....	2	.....	0 30	.....	0 30
Manilla.....	33	.....	.....	.....	33	.....	.....	33	.....	4 95	.....	4 95
Molasses.....	11	.....	.....	.....	11	.....	.....	11	.....	1 65	.....	1 65
Nails.....	1,883	.....	.....	3	1,883	.....	.....	1,886	0 60	283 05	.....	283 05
Oats.....	.....	66,336	.....	4,741	.....	2,292	.....	73,369	7,336 90	7,336 90	.....	7,336 90
Oil (in barrels).....	158	21,303	1	7	159	11,803	.....	33,272	6,622 60	6,646 45	.....	6,646 45
Oil cake.....	.....	.....	114	.....	.....	.....	.....	114	22 80	22 80	.....	22 80
Pease.....	.....	.....	25	.....	.....	.....	.....	25	2 50	2 50	.....	2 50
Potatoes.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pork.....	10	.....	.....	429	10	.....	.....	439	85 80	87 30	.....	87 30
Paint.....	122	.....	.....	1	122	11	.....	134	2 40	20 70	.....	20 70
Pitch and tar.....	86	.....	.....	.....	86	131	.....	217	26 20	39 10	.....	39 10
Rags.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rye.....	.....	.....	.....	2	.....	.....	.....	2,270	227 00	227 00	.....	227 00
Flax seed.....	.....	7,145	.....	.....	.....	43,649	.....	50,794	5,079 40	5,079 40	.....	5,079 40
Rosin.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salt.....	.....	86	.....	.....	.....	160	.....	246	49 20	49 20	.....	49 20
Stone intended for cutting.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
" wrought.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
" not suitable for cutting, unwrought.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Seeds, all kinds.....	.....	.....	17	.....	.....	20	.....	37	7 40	7 40	.....	7 40
Sheep.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Soda ash.....	32	.....	.....	.....	32	15	.....	47	3 00	7 80	.....	7 80
Steel.....	1,219	.....	509	.....	1,728	.....	.....	1,728	259 20	259 20	.....	259 20
Sugar.....	124	.....	24,825	1,250	24,949	5	.....	26,204	251 00	3,993 35	.....	3,993 35
Spirits, beer, &c.....	657	593	30	.....	687	1,192	.....	2,472	357 00	460 05	.....	460 05
Tobacco (raw).....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tallow.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tin.....	132	.....	.....	.....	132	.....	.....	132	.....	19 80	.....	19 80
Turpentine.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wheat.....	.....	324,203	.....	21,892	.....	134,208	.....	480,303	48,030 30	48,030 30	.....	48,030 30
White lead.....	60	.....	.....	4	60	.....	.....	64	0 80	9 80	.....	9 80
Whiting.....	60	.....	21	.....	81	.....	.....	81	.....	12 15	.....	12 15
Wool.....	.....	.....	.....	30	.....	.....	.....	30	6 00	6 00	.....	6 00
All other goods and merchandise not enumerated.....	18,088	877	37,845	3,776	55,956	1,472	.....	62,081	1,225	9,618 40	.....	9,618 40
Bark.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Barrels, empty.....	.....	.....	.....	1	.....	.....	.....	1	0 20	0 20	.....	0 20
Boat knees.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Floats.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Firewood, in vessels.....	.....	.....	.....	1,980	.....	.....	.....	1,980	132 00	132 00	.....	132 00

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls, Up.		Amount of Tolls, Down.	Total Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		\$	cts.	\$	cts.
" rafts.															
Pulpwood ..															
Hoops ..															
Hop poles ..															
Lumber, sawn, in vessels.	879	26,773		14,314		1,595			879	42,682	43,561	158 07	7,679 00	7,837 07	
" rafts.															
Mast, spars, and telegraph poles, in vessels.				2,151						2,151	2,151		343 72	343 72	
" in rafts.															
Railway ties, in vessels.															
" rafts.															
Saw logs.															
Staves and headings, barrel pipe.															
" W. India															
Staves, salt barrel.				70						70	70		48 75	48 75	
Shingles.															
Split posts and fence rails, in vessels.															
" in rafts.															
Timber, square, in vessels.		5,042				12,580				17,622	17,622		2,643 27	2,643 27	
" rafts.															
Traverses.															
Woodenware and wood partly manufactured.	8								8		8	3 20		3 20	
Total freight heretofore paying tolls, now free.	39,735	443,095	2,478	26,773	177,660	218,997	10,453	525,679	230,326	1,214,544	1,444,870	40,354 97	148,536 64	188,891 61	
Articles having passed the full length of the St. Lawrence Canals, free :—															
Bricks.	550		6						556		556				
Cement and water lime.			13						13		13				
Clay, lime and sand.	100								100		100				
Fish.			39						39		39				

[illegible]

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 8, 1908.

RICHARD DEVLIN,
Compiler of Canal Statistics.

No. (A) 3.—GENERAL STATEMENT showing the Quantity of each way article transported on the Welland Canal, &c.—Continued.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls. — Up.		Amount of Tolls. — Down.		Total Amount of Tolls.	
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		\$	cts.	\$	cts.		\$
Firewood, in rafts																	
Pulpwood																	
Hoops																	
Hoop poles																	
Lumber, sawn, in vessels.																	
" rafts																	
Masts, spars and telegraph poles, in vessels																	
" rafts																	
Railway ties, in vessels																	
" rafts	254		133						387		387	35	36			35	36
Saw logs																	
Staves and headings, barrel																	
" pipe.																	
" W. India																	
Staves, salt barrel																	
Shingles																	
Split posts and fence rails, in vessels.																	
" rafts.																	
Timber, square, in vessels.																	
" rafts																	
Traverses																	
Woodenware and wood partly manufactured																	
Total freight, heretofore paying tolls, now free.	254	9,424	133						387	9,424	9,811	624	78			624	78

Total tolls on vessels.....	62 60	94 96	157 56
" passengers.....	13 17	13 17	26 34
Grand total tolls	700 55	108 13	808 68

RICHARD DEVLIN,
Compiler of Canal Statistics.

DEPARTMENT OF RAILWAYS AND CANALS,
(OTTAWA, May 8, 1908.

APPENDIX A—Continued.

No. (A) 1.—(GENERAL STATEMENT showing the Quantity of each Article transported on the St. Lawrence Canals and the amount of tolls heretofore collected (now free) during the Season of Navigation in 1907.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total tons.	Amount of Tolls.		Total amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.				
Ashes, pot and pearl.....	15	5,167							19	5,167	5,186	1 67	727 68	729 35
Apples.....	4,114	3,809							4,114	3,809	7,923	263 35	554 17	817 52
Agricultural products not enumerated, vegetables...	1,148	5,587							1,148	5,587	6,735	118 56	783 26	901 82
Agricultural products not enumerated, animal.....	74	160							74	160	234	8 89	14 15	23 04
Agricultural implements...	693	3,770							693	3,770	4,463	26 00	303 44	329 44
Barley	13,647	255					868		14,585	255	14,840	744 66	9 59	754 25
Bricks	2	7							2	7	9	0 08	0 42	0 50
Bones.....	2,301								2,301		2,301	211 10		211 16
Brinstone	48								48		48	1 80		1 80
Buckwheat.....	4,446	2,369						77	4,446	2,446	6,892	338 48	276 76	615 24
Cement and water lime....	45,947	22,225					12,363		58,310	22,225	80,535	2,349 94	886 22	3,236 16
Clay, lime and sand.....	639	46,994							639	46,994	359,876	31 47	51,595 65	51,627 12
Coal.....	4,830	22,752					160		4,330	21,852	29,182	167 55	1,304 40	1,471 95
Corn.....	41	76						2,100	41	76	117	1 69	5 35	7 04
Cattle.....	26	84							26	84	110	3 79	12 30	16 09
Cotton (raw).....	637	151							637	151	788	124 65	22 55	147 20
Rockery and earthenware	26	8							26	8	34	4 30	1 60	5 90
Dye wood and dye stuffs...	202	11							258	11	269	21 07	1 54	22 61
Fish.....	42								42		42	6 30		6 30
Flax and hemp.....	2,256	1,599							2,256	1,599	3,855	187 57	103 56	291 13
Flour.....	884	2,302							884	2,302	3,186	165 83	376 00	541 83
Furniture.....														
Gypsum.....														
Glass (all kinds)	4,082	374						11	4,898	388	5,286	965 87	64 10	1,029 97
Hay (pressed)	8,388	1,889							8,388	1,889	10,277	334 19	144 70	479 19
Hogs.....	57	1							57	1	58	2 25	0 04	2 29
Horses	162	355							173	355	528	10 00	19 65	29 65
Hides and skins, horns and hoofs.....	3	13							3	13	16	12	0 50	0 62

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Ice	10,727	1,206					10,727	1,206	11,933	1,607 74	67 66	1,675 40
Iron, railway	12,049	42					12,049	42	12,091	1,804 83	1 58	1,806 41
Iron, pig	31,768	4,472					31,815	4,492	39,307	2,870 03	325 02	3,195 05
" all other						1,116						
Iron ore						150				1 88		1 88
Kryolite or chemical ore							150		150	30 80	7 66	38 46
Lard and lard oil	200	54					213	54	267	17 71	6 53	24 24
Meal, all kinds	263	90					263	90	353	19 67	2 33	22 00
Meat, other than pork	145	17					145	17	6	0 60		0 60
Marble	6						6		115	20 24	0 35	20 59
Manilla	108	7					108	7	934	101 68	14 65	116 33
Molasses	639	295					639	295	7,167	1,361 38	19 95	1,381 33
Nails	6,978	168				21	6,999	168	6,514	66 56	310 29	376 85
Oats	1,763	4,751					1,763	4,751	1,609	237 71	53 40	291 11
Oil (in barrels)	1,066	323				220	1,286	323	1	0 06		0 06
Oil cake	1						1		573	3 12	49 15	52 27
Pease	79	494					79	494	265	6 87	8 01	14 91
Potatoes	163	102					163	102	219	20 30	0 70	21 00
Pork	204	15					204	15	1,649	296 81	16 50	313 31
Paint	1,438	102				109	1,547	102	1,344	84 36	2 15	86 51
Pitch and tar	131	13					1,331	13	289	30 80	20 50	51 30
Rags	185	104					185	104	463		46 30	46 30
Rye		463						463	829	1 95	80 80	82 75
Flax seed	20	809					20	809	1,215	56 05	8 70	64 75
Rosin	30	11					1,041	174	4,540	372 03	65 81	437 84
Salt	3,646	894					3,646	894	740		30 75	30 75
Stone intended for cutting		740						740	5	1 00		1 00
" wrought	5						5					
" not suitable for cutting, unwrought	390	780					390	780	1,170	30 15	15 60	45 75
Seeds, all kinds	6,507	56					6,584	56	6,640	261 16	6 95	268 11
Sheep	59	4					59	4	63	2 31	0 30	2 61
Soda ash	371	1				310	681	1	682	128 90	0 05	128 95
Steel	5,682	930				12	5,694	930	6,624	727 77	139 28	867 05
Sugar	22,097	639				3,077	25,174	639	25,813	4,954 61	76 95	5,031 56
Spirits, beer, &c	2,541	473				806	3,347	473	3,820	629 61	86 95	716 56
Tobacco (raw)		23						23	23		3 45	3 45
Tallow	2						2		2	0 30		0 30
Tin	1,982	162				124	2,045	286	2,331	164 58	269 70	434 28
Turpentine	13	11					13	22	35	1 50	2 30	3 80
Wheat	10,653	40,789					10,653	40,789	51,442	400 42	3,824 45	4,224 87
White lead	674	11					674	11	685	131 51	0 55	132 06
Whiting	665	12				42	707	12	719	135 59	2 10	137 69
Wool												
All other goods and merchandise not enumerated	38,859	12,746				5,274	44,511	16,382	60,893	7,742 89	2,219 75	9,962 61
Bark												
Barrels, empty	1,123	1					1,123	1	1,124	64 43	0 19	64 53
Boat knees												
Floats		400						400	400		7 00	7 00

No. (A) 4.—GENERAL STATEMENT showing the Quantity of each Article transported on the St. Lawrence Canals, &c.—Continued.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.		Total Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		\$	cts.	
Firewood, in vessels.....	2,595	930	1,770						4,365	930	5,295	291 00	15 50	306 50
" rafts.....														
Pulpwood	19,774	210	231,756						251,530	210	251,740	16,738 25	4 25	16,742 50
Hoops.....														
Hop poles.....														
Lumber, sawn, in vessels..	62,950	5,187	17,650		7				80,607	5,187	85,794	3,545 29	233 15	3,778 44
" rafts.....														
Masts, spars and telegraph poles, in vessels.....														
Masts, spars and telegraph poles, in rafts.....		4,264								4,264	4,264		106 60	106 60
Railway ties, in vessels....	220	144							220	144	364	14 80	4 57	19 37
" rafts.....														
Saw-logs		520								520	520		48 00	48 00
Staves and headings, barrel														
" pipe.....	2								2		2	0 20		0 20
" W. India.....														
Staves, salt barrel.....														
Shingles	3	9	219						222	9	231	157 09	3 00	160 09
Split posts and fence rails, in vessels.....														
Split posts and fence rails, in rafts.....														
Timber, square, in vessels..	1,680	251					820			1,071	1,071		52 15	52 15
" rafts....		4,292							1,680	4,292	5,972	42 00	109 35	151 35
Traverses.....														
Woodenware and wood partly manufactured, ...	376	4							376	4	380	46 10	0 80	46 90
Total freight, heretofore paying toll, now free..	345,042	207,979	264,292	124	232	1,464	16,876	317,620	626,442	527,187	1,153,629	51,316 12	65,579 30	116,895 42

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Articles having passed the full length of the Welland Canal, free:—									
Barley	9,936	9,936	9,936
Corn	92,530	.....	.....	.....	.....	.....	.....	106,299	106,299
Flaxseed	36,489	.....	.....	.....	.....	.....	.....	49,159	49,159
Flour	2,343	.....	.....	.....	.....	.....	.....	3,730	3,730
Glass	4	.....	.....	.....	.....	.....	.....	4	4
Iron, all other .....	.....	.....	.....	.....	.....	.....	.....	124	124
Merchandise	184	.....	.....	.....	.....	.....	.....	2,294	2,294
Oats	67,063	.....	.....	.....	.....	.....	.....	67,063	67,063
Oils	14,172	.....	.....	.....	.....	.....	.....	22,111	22,111
Pitch and tar .....	.....	.....	.....	.....	.....	.....	.....	101	101
Rye	2,266	.....	.....	.....	.....	.....	.....	2,266	2,266
Salt .....	.....	.....	.....	.....	.....	.....	.....	143	143
Seeds, all kinds .....	.....	.....	.....	.....	.....	.....	.....	20	20
Soda ash .....	.....	.....	.....	.....	.....	.....	.....	15	15
Wheat	435,659	.....	.....	.....	.....	.....	.....	450,009	450,009
Whiskey, &c.	364	.....	.....	.....	.....	.....	.....	1,224	1,224
Square timber	4,180	.....	.....	.....	.....	.....	.....	4,180	4,180
Coal	11,522	.....	.....	.....	.....	.....	.....	70,489	228,159
Grand total, freight...	501,346	124	232	2,515	18,242	429,024	784,112	1,316,354	2,100,466

Total tolls on vessels.	14,475 02	11,929 71	26,404 73
" passengers	1,609 71	4,213 83	5,823 54
" free goods .....	.....	.....	.....

	

No. (A) 5.—(GENERAL STATEMENT showing the Quantity of each Through Article transported on the St. Lawrence Canals and the Amount of Tolls heretofore collected, (now free) during the Season of Navigation in 1907.

[illegible]

Ice.	10,712	191	10,712	194	10,906	1,606 80	29 10	1,635 90
Iron, railway.	11,801	191	11,801	194	11,801	1,770 15	29 10	1,770 15
" pig	11,020	1,303	12,951	1,323	14,274	1,939 73	198 45	2,138 18
" all other.								
Iron ore.								
Kryolite or chemical ore.								
Lard and lard-oil.	185	50	198	50	248	29 40	7 50	36 90
Meal, all kinds.	5	7	5	7	12	0 75	1 05	1 80
Meat, other than pork.	110	15	110	15	125	16 24	2 25	18 49
Marble.								
Manilla.								
Molasses.	57		57					
Nails.	5,769	77	5,790	77	5,867	1,157 60	15 40	1,173 00
Oats.		248		248	2,478		247 80	247 80
Oil, in barrels.	710	248	930	248	1,178	185 79	49 60	235 39
Oil cake.								
Pease.		481		481	481		48 50	48 50
Potatoes.		10		10	10		1 50	1 50
Pork.	21	1	21	1	22	2 58	0 15	2 73
Paint.	1,220	76	1,329	76	1,405	265 60	15 20	280 80
Pitch and tar.	82	10	82	10	92	16 40	2 00	18 40
Rags.	129	102	129	102	231	25 80	20 40	46 20
Rye.		463		463	463		46 30	46 30
Flaxseed.		805		805	805		80 50	80 50
Rosin.	25		25		25	5 00		5 00
Salt.	604	285	604	285	889	89 30	42 75	132 05
Stone intended for cutting.								
" wrought.	5		5		5	1 00		1 00
" not suitable for cutting, unwrought.								
Seeds, all kinds.	47	41	124	41	165	18 60	6 15	24 75
Sheep.								
Soda ash.	293		603		603	120 60		120 60
Steel.	4,551	928	4,563	928	5,491	683 93	139 20	823 13
Sugar.	20,890	300	23,967	300	24,267	4,792 92	60 00	4,852 92
Spirits, beer, &c.	1,670	422	2,476	422	2,898	494 49	84 40	578 89
Tobacco (raw).		23		23	23		3 45	3 45
Tallow.	2		2		2	0 30		0 30
Tin.	1,966		2,029		2,029	405 80		405 80
Turpentine.	2	8	2	8	10	0 40	1 60	2 00
Wheat.	300	36,973	300	36,973	37,273	11 25	3,697 30	3,708 55
White lead.	523		523		523	104 44		104 44
Whiting.	606	10	648	10	658	129 60	2 00	131 60
Wool.								
All other goods and merchandise not enumerated.	26,847	5,952	32,119	8,584	40,703	6,420 90	1,718 80	8,139 70
Bark.								
Barrels, empty.	10		10		10	0 20		0 20
Boat knees.								

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.		Total Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		\$	cts.	
Floats.....														
Firewood, in vessels.....	2,595								4,365		4,365	291	00	291 00
" rafts.....			1,770											
Pulpwood.....	17,116		230,451						247,567		247,567	16,611	50	16,611 50
Hoops.....														
Hop poles.....									22,471		22,471	2,068	95	2,068 00
Lumber, sawn, in vessels.....	4,821		17,650											
" " rafts.....									180		180	14	05	14 05
Railway ties, in vessels.....			180											
" " rafts.....														
Saw logs.....														
Staves and headings, barrel		520								520			48	00
" " pipe.....														
" " W. India.....														
Staves, salt barrel.....														
Shingles.....									221		221	157	04	157 04
Split posts and fence rails, in vessels.....	2		219											
Split posts and fence rails, in rafts.....														
Timber, square, in vessels.....		21					820			841			49	40
" " rafts.....														
Traverses.....														
Woodenware and wood partly manufactured.....	27								27		27	10	80	10 80
Total freight heretofore paying tolls, now free.	135,987	118,648	263,165				299,009		399,152	417,657	816,809	41,416	46	102,031 66
Articles having passed the full length of the Welland Canal, free : —														
Barley.....		9,936								9,936	9,936			

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Iron, railway.	15	1,012					15	1,012	1,027	0 94	- 38 56	39 50
" pig.	248	42					248	42	290	34 68	1 58	36 26
" all other	20,748	3,169					21,864	3,169	25,033	930 30	126 57	1,056 87
Iron ore.												
Kryolite or chemical ore.							150		150	1 88		1 88
Lard and lard oil	15	4					15		19	1 40	0 16	1 56
Meal, all kinds.	258	83					258	83	341	16 90	5 48	22 44
Meat, other than pork	35	2					35	2	37	3 43	0 08	3 51
Marble.	6						6		6	0 60		0 60
Manilla.	108	7					108	7	115	20 24	0 35	20 59
Molasses.	582	295					582	295	877	90 40	14 65	105 05
Nails.	1,209	91					1,209	91	1,300	203 78	4 55	208 33
Oats.	1,763	2,273					1,763	2,273	4,036	66 56	62 49	129 05
Oil (in barrels)	356	75					356	75	431	51 92	3 80	55 72
Oil cake	1						1		1	0 06		0 06
Pease.	79	13					79	13	92	3 12	0 65	3 77
Potatoes	163	92					163	92	255	6 87	6 54	13 41
Pork.	183	14					183	14	197	17 72	0 55	18 27
Paint.	218	26					218	26	244	31 21	1 30	32 51
Pitch and tar	49	3					49	3	1,252	67 96	0 15	68 11
Rags.	56	2					56	2	58	5 00	0 10	5 10
Rye.												
Flax seed.	20	4					20	4	24	1 95	0 30	2 25
Rosin.	5	11					1,016	174	1,190	51 05	8 70	59 75
Salt.	3,042	609					3,042	609	3,651	282 73	23 06	305 79
Stone, intended for cutting.		740						740	740		30 75	30 75
" wrought												
" not suitable for cutting, unwrought												
Seeds, all kinds	390	780					390	780	1,170	30 15	15 60	45 75
Sheep.	6,460	15					6,460	15	6,475	242 56	0 80	243 36
Soda ash.	59	4					59	4	63	2 31	0 30	2 61
Steel	78	1					78	1	79	8 30	0 05	8 35
Sugar	1,131	2					1,131	2	1,133	43 84	0 08	43 92
Spirits, beer, &c.	1,207	339					1,207	339	1,546	161 69	16 95	178 64
Tobacco (raw).	871	51					871	51	922	135 12	2 55	137 67
Tallow.												
Tin.	16	12					16	12	302	1 78	26 70	28 48
Turpentine.	11	3					11	3	25	1 10	0 70	1 80
Wheat.	10,353	3,816					10,353	3,816	14,169	389 17	127 15	516 32
White lead	151	11					151	11	162	27 07	0 55	27 62
Whiting.	59	2					59	2	61	5 99	6 10	6 09
Wool												
All other goods and merchandise not enumerated.	12,012	6,794	2	210	1,004		12,392	7,798	20,190	1,321 91	500 95	1,822 94
Bark.												
Barrels, empty	1,113	1					1,113	1	1,114	64 23	0 10	64 33
Boat knees												

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons		Total Tons.	Amount of Tolls. — Up.		Amount of Tolls. — Down.		Total Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		\$	cts.	\$	cts.	
Floats.....		400									400					
Firewood, in vessels.....		930									930			7 00		7 00
" rafts.....														15 50		15 50
Pulpwood.....	2,658	210	1,305						3,963		4,173	126 75		4 25		131 00
Hoops.....																
Hop poles.....																
Lumber, sawn, in vessels.....	59,129	5,187			7				58,136		63,323	1,476 34		233 15		1,709 49
" rafts.....																
Masts, spars and telegraph poles, in vessels.....																
Masts, spars and telegraph poles, in rafts.....	40	4,264							40	4,264	4,264			106 60		106 60
Railway ties, in vessels.....		144								144	184	0 75		4 57		5 32
" rafts.....																
Saw logs.....																
Staves and headings, barrel																
" " pipe.....	2								2		2	0 20				0 20
" " West																
India.....																
Staves, salt barrel.....	1	9							1	9	10	0 05		3 00		3 05
Shingles.....																
Split posts and fence rails, in vessels.....																
Split posts and fence rails, in rafts.....		230								230	230			2 75		2 75
Timber, square, in vessels.....	1,680	4,292							1,680	4,292	5,972	42 00		109 35		151 35
" " rafts.....																
Traverses.....																
Woodenware and wood partly manufactured ..	349	4							349	4	353	35 30		0 80		36 10
Total frate heretofore paying tolls, now free....	208,875	89,181	1,307	274	232	1,464	16,876	18,611	227,290	109,530	336,820	10,142 67	4,721 09			14,863 76

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" ore											108	108	7 87
Kryolite or chemical ore.													
Lard and lard oil.											2	2	20
Meal, all kinds.											165	165	9 56
Meat, other than pork.													
Marble.													
Manilla.											3	3	87
Molasses.													
Nails.											1	1	10
Oats.											1,429	1,429	131 24
Oil (in barrels)													
Oil cake.													
Pease.													
Potatoes.											702	702	41 16
Pork.											25	25	1 48
Paint.													
Pitch and tar.											99	99	18 81
Rags.											195	195	35 78
Rye.													
Flax seed.													
Rosin.													
Salt.													
Stone intended for cutting													
" wrought.													
" not suitable for cutting, unwrought..													
Seeds, all kinds.											5	5	49
Sheep.											203	203	17 66
Soda ash.													
Steel.													
Sugar.													
Spirits, beer, &c.											9	9	1 44
Tobacco (raw).													
Tallow.													
Tin.											11	11	2 09
Turpentine.													
Wheat.													
White lead.													
Whiting.													
Wool.													
All other goods and merchandise not enumerated.											2,840	2,840	391 75
Bark.													
Barrels, empty.											123	123	20 65
Boat knees.													
Floats.	320										31,840	32,160	270 66
Fire wood, in vessels.. rafts.											17,790	17,790	691 64
Pulpwood..													
Hoops.											17	17	1 50
Hop poles.													
Lumber, sawn, in vessels.													
											220,837	220,837	16,972 26

No. (A) 7.—GENERAL STATEMENT showing the Quantity of each Article transported on the Ottawa Canals, and the Amount of Revenue Collected, &c.—*Concluded.*

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total. Tons.	Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
Lumber, sawn, in rafts.		134								134	134	\$ 6 40
Masts, spars, and telegraph poles, in vessels.												
" " " rafts.		116								116	116	20 01
Railway ties, in vessels.												
" " rafts.												
Saw logs.												
Staves and headings, barrel.												
" " pipe.												
" " West India.												
Staves, salt barrel.		3								3	3	47
Shingles.												
Split posts and fence rails, in vessels.												
" " rafts.												
Timber, square, in vessels.		200								200	200	2 10
" " rafts.												
Traverses.												
Woodenware and wood partly manufactured.												
Total freight heretofore paying tolls, now free.	324	284,428				53,098			324	337,526	337,850	22,279 39
Total tolls on vessels.												2,857 55
" " passengers.												192 50
Total tolls.												25,329 44

DEPARTMENT OF RAILWAYS & CANALS,
OTTAWA MAY, 1908.

RICHARD DEVLIN,
Compiler of Canal Statistics.

APPENDIX A—Continued.

No. 8.—GENERAL STATEMENT showing the Quantity of each Article transported on the Chambly Canal and the amount of Tolls heretofore collected (now free) during the Season of Navigation in 1907.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
Ashes, pot and pearl.												\$ cts.
Apples	5	901						46	5	947	952	49 54
Agricultural products not enumerated, vegetables.												
" " animal.	5	90							5	90	95	3 19
Agricultural implements	93	2							93	2	95	3 21
Barley												
Bricks	276							1,246	276	1,246	1,522	133 83
Bones												
Brinstone												
Buckwheat		2										
Cement and water line	75											
Clay, lime and sand	275	4	50						75	556	631	0 07
Coal	6								325	17,692	18,017	56 49
Corn	113								6	80,730	80,736	1,787 47
Cattle	6	72							113		113	7,903 82
Cotton (raw)									6	72	78	3 87
Crockery and earthenware	8	1										2 74
Dye wood and dye stuffs.									8	61	69	6 37
Fish	1								12	12	12	1 20
Flax and hemp									1		1	0 04
Flour	904											
Furniture	25	41							904		904	30 40
Gypsum									25	41	66	2 30
Glass (all kinds)												
Hay (pressed)	164	5,380	1,873									
Hogs									2,037	5,380	7,417	0 14
Horses	6	16								16	16	335 21
Hides and skins, horns and hoofs		1							6	16	22	0 68
Ice										1	1	0 86
Iron, railway	36	5										0 04
" pig.									36	757	793	76 61
" all other	227	17							227	202	429	26 80

No. (A) 8.—GENERAL STATEMENT showing the Quantity of each Article transported on the Chambly Canal, &c.—*Concluded.*

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total tons.	Amount of Tolls
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
Iron ore.....							16,631		16,631		16,631	\$ 831 55
Kryolite or chemical ore.....							1,446		1,446		1,446	72 30
Lard and lard oil												
Meal, all kinds.....	284								284		284	9 66
Meat, other than pork.....												
Marble.....												
Manilla.....	65	1							65	1	66	2 29
Molasses.....	40								40		40	1 44
Nails.....	16	1,922							16	1,922	1,938	64 81
Oats.....	123					20			123	20	143	6 32
Oil (in barrels).....	1	4							1	4	5	0 18
Oil cake.....	2	4							2	4	6	0 22
Pease.....	6	49							6	49	55	1 91
Potatoes.....	2	40							2	40	42	1 52
Pork.....	72								72		72	2 57
Paint.....												
Pitch and tar.....							1,152			1,152	1,152	168 05
Rags.....		5								5	5	0 17
Rye.....												
Flax seed.....												
Rosin.....	2						1,870		2	1,870	1,872	194 08
Salt.....	255								255		255	10 25
Stone intended for cutting.....												
" wrought.....												
" not suitable for cutting, unwrought.....												
Seeds, all kinds.....	34								34		34	22 00
Sheep.....	1	65							1	65	66	30 18
Soda ash.....												1 16
Steel.....	10								10		10	2 33
Sugar.....	194	6							164	6	170	34
Spirits, beer, &c.....	85								85		85	5 91
Tobacco, (raw).....												2 93
Tallow.....												
Tin.....												
Turpentine.....												
Wheat.....	8	1					287			287	287	28 70
White lead.....									8	1	9	32

APPENDIX A—Continued.

No. (A) 9.—GENERAL STATEMENT showing the Quantity of each Article transported on the Rideau Canal and the Amount of Tolls heretofore Collected, now Free, during the Season of Navigation in 1907.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total tons.	Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
Ashes, pot and pearl												\$ cts.
Apples	1	4							1	4	5	13
Agricultural products not enumerated vegetables	23	32							23	32	55	1 47
" " animal	91	1,231							91	1,231	1,322	40 95
Agricultural implements	121	141							121	141	262	25 73
Barley												
Bricks	761	77							761	77	838	19 72
Bones												
Brimstone												
Buckwheat.												
Cement and water-lime	140	1,296							140	1,296	1,436	51 88
Clay, lime and sand	10,860	8,305							10,860	8,305	19,165	450 36
Coal	645	407					8,941		645	9,348	9,993	343 71
Corn	12	717							12	717	729	17 40
Cattle	1								1		1	0 03
Cotton (raw)												
Crockery and earthenware.	9	32							9	32	41	3 69
Dye wood and dye stuffs												
Fish.		7								7	7	17
Flax and hemp.												
Flour	137	289							137	289	426	10 99
Furniture	33	61							33	61	94	8 92
Gypsum												
Glass (all kinds)	224	25							224	25	249	23 11
Hay (pressed)	1,700	147							1,700	147	1,847	47 95
Hogs												
Horses	1	6							1	6	7	0 19
Hides and skins, horns and hoofs		12								12	12	0 33
Ice	1								1		1	0 02

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Can, railway.	20	31	20	20	0 47
" pig	31	31	31	31	0 73
" all other	1,487	1,487	91	1,578	39 32
ore.					
Kryolite or chemical ore.			384	384	7 02
Lard and lard oil.	69	69	5	74	2 54
Meal, all kinds.	19	19	91	110	2 69
Meat, other than pork.	44	44	1	45	1 70
Marble					
Manilla.	9	9	5	14	1 40
Molasses.	203	203	9	212	18 44
Nails.	510	510	20	530	58 49
Oats.	113	113	1,072	1,185	48 00
Oil, in barrels.	370	370	231	601	54 56
Oil cake					
Pease			1	1	0 03
Potatoes	10	10		10	0 25
Pork.	101	101	5	106	3 02
Paint.	105	105	1	106	10 43
Pitch and tar	34	34	25	59	5 15
Rags.	11	11	97	108	9 45
Rye.			13	13	0 31
Flaxseed.					
Rosin.	14	14		14	1 24
Salt.	2,198	2,198	233	2,431	62 26
Stone intended for cutting.	111	111		111	2 60
" wrought.			4	4	0 36
" not suitable for cutting, unwrought					
Seeds, all kinds	2	2	1	3	0 09
Sheep.					
Soda ash.			2	2	0 18
Steel.	25	25	7	32	1 34
Sugar.	414	414	199	613	67 29
Spirits, beer, &c.	502	502	153	655	59 57
Tobacco (raw).			3	3	0 09
Tallow.					
Tin					
Turpentine.					
Wheat			957	957	22 34
White lead.	105	105	1	106	9 88
Whiting.					
Wool.					
All other goods and merchandise not enumerated	3,290	3,290	2,313	5,603	0 03
Bark.	7	7	2	9	526 57
Barrels, empty.	27	27	74	101	0 69
Boat knees.					6 74
Floats.					
Firewood, in vessels.	3,122	3,122	2,382	5,504	96 70
" rafts.					
Pulpwood					

No. (A) 9.—GENERAL STATEMENT showing the Quantity of each Article transported on the Rideau Canal, &c.—Continued.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Total Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
Hoops.												
Hop poles.												
Lumber, sawn, in vessels.	4,563	11,371	4,735	1,644				254	9,298	13,269	22,567	1,058 43
" rafts.	77								77		77	2 92
Masts, spars, and telegraph poles, in vessels.												
" rafts.												
Railway ties, in vessels.												
" rafts.	93								93		93	2 10
Saw logs.												
Staves and headings, barrel												
" pipe.												
" West India.												
Staves, salt barrel.												
Shingles.	135	33							135	33	168	48 65
Split posts and fence rails, in vessels.												
" rafts.												
Timber, square, in vessels.												
" rafts.	1,600								1,600		1,600	29 88
Traverses.												
Woodenware and wood partly manufactured.		38								38	38	2 83
Total freight heretofore paying tolls, now free	34,161	32,634	4,735	1,644				9,195	38,896	43,473	82,369	3,313 56

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Total tolls on vessels.....	2,545 78
" passengers....	613 03
Total tolls	6,472 37
Wharfage
Winterage .....	.....
Other receipts.....	.....
Total revenue, exclusive of hydraulic rents. ....	.....

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 8 1908.

RICHARD DEVLIN,
Compiler of Canal Statistics.

No, (A) 10.—GENERAL STATEMENT showing the Quantity of each Article transported on the St. Peter Canal, &c.—*Concluded.*

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
Hoops.....	2								2		2	
Hop poles.....	7,326	5							7,326	5	7,331	0 02
Lumber, sawn, in vessels " in rafts	1								1		1	73 31
Masts, spars, and telegraph poles, in vessels.....												0 01
" " in rafts	55								55		55	0 55
Railway ties, in vessels.....	98	85							98	85	183	1 83
" " in rafts												
Saw logs.....												
Staves and headings, barrels " pipe.....												
" " West India.....												
Staves, salt barrel	225								225		225	2 25
Shingles.....	90								90		90	0 90
Split posts and fence rails, in vessels.....												
" " in rafts	330	95							330	95	425	4 25
Timber, square, in vessels												
" " in rafts												
Traverses.....	75								75		75	0 75
Woodenware and wood partly manufactured.....												
Total freight heretofore paying tolls, now free.....	25,756	47,411							25,756	47,411	73,167	731 67
Total tolls on vessels.....												1,830 63
Total receipts												\$2,562 30

DEPARTMENTS OF RAILWAYS AND CANALS,
OTTAWA, May 8, 1908

RICHARD DEVLIN,
Compiler of Canals Statistics.

APPENDIX A—Continued.

No. (A) 11.—GENERAL STATEMENT showing the Quantity of each Article transported on the Trent Valley Canals and the Amount of Tolls heretofore collected, now free, during the Season of Navigation in 1907.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total.	Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
Ashes, pot and pearl.												\$ cts.
Apples.	10								10		10	10
Agricultural products not enumerated, vegetables.												
“ “ annual.		41								41		
Agricultural implements.	3	2							3	2	5	01
Barley.	10								10		10	10
Bricks.	48	141							48	141	189	1 78
Bones.												
Brimstone.												
Buckwheat.												
Cement and water lime.	521	79							521	79	600	60
Clay, lime and sand.	112								112		112	
Coal.	62	115							62	115	177	15
Corn.		23								23	23	23
Cattle.	2								2		2	01
Cotton (raw).												
Crockery and earthenware.	1								1		1	
Dye wood and dye stuffs.												
Fish.												
Flax and hemp.												
Flour.	5	12							5	12	17	12
Furniture.	16	7							16	7	23	13
Gypsum.												
Glass (all kinds).												
Hay (pressed).	16	222							16	222	16	
Hogs.	219	1							219	1	441	6 40
Horses.	1								1		2	01
Hides and skins, horns and hoofs.												
Ice.												
Iron, railway.	1											
“ Pig.	3								3		3	
“ all other.	30	26							30	26	56	
Iron ore.												
Kryolite or chemical ore.												
Lard and lard oil.												
Meal, all kinds.		11								11	11	13
Meat, other than pork.												
Marble.												

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APPENDIX A—Continued.

No. (A) 12.—GENERAL STATEMENT showing the Quantity of each Article transported on the Murray Canal, and the Amount of Tolls heretofore collected, now free, during the Season of Navigation in 1907.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
Ashes, pot and pearl.	96	851							96	851	947	17 53
Apples.	827	677							827	677	1,504	28 44
Agricultural products not enumerated, vegetable.	590	525							590	525	1,115	20 93
“ “ animal.	14	32							14	32	46	1 16
Agricultural implements.	56	784							56	784	840	12 69
Barley.												
Bricks.												
Bones.												
Brimstone.												
Buckwheat.												
Cement and water line.												
Clay, lime and sand.												
Coal.		3,532					26,492			30,024	30,024	555,98
Corn.												
Cattle.												
Cotton (raw).	20								20		20	0 37
Crockery and earthenware.	70	120							70	120	190	4 78
Dye woods and dye stuffs.	15	32							15	32	47	1 18
Fish.												
Flax and hemp.												
Flour.	60	15							60	15	75	1 40
Furniture.	292	344							292	344	636	15 84
Gypsum.												
Glass (all kinds).	253	300							253	300	553	13 91
Hay (pressed).	70								70		70	0 62
Hogs.												
Horses.	20	3							20	3	23	0 49
Hides and skins, horns and hoofs.												
Ice.												
Iron, railway.		20								20	20	0 38
“ pig.												
“ all other.	932	685							932	685	1,617	30 76
Iron ore.												
Kryolite and chemical ore.												
Lard and lard oil.	13	28							13	28	41	0 77
Meal, all kinds.		5								5	5	0 10

[illegible]

No. (A) 12.—GENERAL STATEMENT showing the Quantity of each Article transported on the Murray Canal, &c.—Concluded.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
Timber, square, in vessels.....												\$
“ rafts.....												cts.
Traverses.....												
Woodenware and wood partly manufactured.....												
Total freight heretofore paying tolls, now free..	11,960	13,560	390				26,492		12,350	40,052	52,402	1,022 91
Total tolls on vessels.....												363 39
“ passengers.....												254 32
Total tolls, exclusive of hydraulic rents.....												1,640 62

RICHARD DEVLIN,
Compiler of Canal Statistics.

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, MAY 8, 1908.

SESSIONAL PAPER No. 20a

APPENDIX A—Continued.

No. (A) 13.—GENERAL STATEMENT showing the Quantity of each Article transported on the Sault Ste. Marie Canal during the Season of Navigation in 1907.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.	\$ cts
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.			
Ashe, pot and pearl.....	90										90		
Apples.....	375										375		
Agricultural products not enumeratedi	51	214									214		
" " animal.....													
Agricultural implements.....	2,395	300			1,250						3,645		
Barley.....		27,652		1,246		97,424		171			126,493		
Bricks.....	1,129				600	220	75				1,804		
Bones.....													
Brimstone.....													
Buckwheat.....													
Cement and water lime.....	47,209				12,882	820	2,871				62,962		
Clay, lime and sand.	1	1,100						1,650			1		
Coal.....	17,595	7,322	9,300		1,657,244	65,376	743,590	33,400	2,427,729	106,098	2,533,827		
Corn.....						2,604					2,604		
Cattle.....	8	3								8	3		
Cotton (raw).....													
Crockery and earthenware.....	101									101			
Dye wood and dye stuffs.....													
Fish.....		465				110					575		
Flax and hemp.....	10	913								10	913		
Flax seed.....		20,987				121,621		5,550			148,158		
Flour.....	1,285	111,606				219,138		13,428	1,285		344,172		
Furniture.....		5									5		
Gypsum.....													
Glass (all kinds).....	916	100					12				928		
Hay (pressed).....	1,562	5					72				1,634		
Hogs.....	2			2						2			
Horses.....	4	18		9		5				4	32		
Hides and skins, horns and hoofs.....						8					8		
Ice.....													
Iron, railway.....	45,714	22,627			18,762	3,412					64,476		
" Pig.....	16,898	4,176				1,528					16,898		
" all other.....	4,134	93			4,231		5,620	50			13,985		
Iron ore.....		104,684		25,765	40,432	9,763,563	30,405	101,230	70,837	9,995,242	10,066,074		
Copper ore.....		555				18,829					19,384		
Kryolite or chemical ore.....													
Lard and lard oil.....	20									20			
Meal, all kinds.....	90	339				25,002				90	25,341		

Hop poles.....	501	122		24,391	34,310	1,542	1,825	2,043	60,648	62,691
Lumber, sawn, in vessels, rafts.....										
Masts, spars, and telegraph poles, in vessels, rafts.....					42 375				42 375	
Railway ties, in vessels, rafts.....										
Saw logs.....	5,773	2,005	3,283	135	1,476		780	9,807	4,396	14,203
Staves and headings, barrel, pipe.....										
" " West India.....										
Staves, salt barrel.....	3				18,196			3	18,196	18,199
Shingles.....										
Split posts and fence rails, in vessels, rafts.....					617		40 43	446	1,377 43	1,823 43
Timber, square in vessels, rafts.....	446	720								
Traverses.....										
Woodenware and wood partly manufactured.....	3							3		3
Total freight.....	351,249	1,380,192	28,296	197,597	1,814,067	10,786,182	239,908	2,984,286	12,603,879	15,588,165

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, MAY 8, 1908.

RICHARD DEVLIN,
Compiler of Canal Statistics.

APPENDIX

No. (A) 14.—STATEMENT of Traffic on the undermentioned Canals, and the Amount

Articles.	Welland Canal.		St. Lawrence Canals.		Chambly Canal.	
	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.
<i>Class No. 1.</i>		\$ cts.		\$ cts.		\$ cts.
Canadian vessels, steam.....	593,628	10,059 28	1,084,735	8,590 36	73,793	215 02
United States vessels, steam.....	766,252	11,634 07	304,301	2,581 29	217	6 18
Canadian vessels, sail.....	160,085	3,580 29	1,277,944	13,462 10	24,845	284 09
United States vessels, sail.....	63,748	1,433 86	129,147	1,770 98	352,410	4,751 83
Total, class No. 1.....	1,583,713	26,707 50	2,796,127	26,404 73	451,265	5,257 12
<i>Class No. 2.</i>	No.		No.		No.	
Passengers.....	3,213	206 89	102,597	5,823 54	3,333	58 69
<i>Class No. 3.</i>	Tons.		Tons.		Tons.	
Bricks.....	600	90 00	14,840	754 25	1,522	133 83
Brimstone.....			2,301	211 10		
Cement and water lime.....	1,899	287 75	6,892	615 24	631	56 49
Clay, lime and sand.....	239	35 85	80,535	3,236 16	18,017	1,787 47
Fish.....	20	3 00	269	22 61	1	0 04
Gypsum.....						
Iron, railway.....	961	144 15	11,933	1,675 40	793	76 61
“ pig.....	4,716	940 55	12,091	1,806 41		
“ all other.....	6,802	1,033 30	39,307	3,195 05	429	26 80
Steel.....	1,728	259 20	6,624	867 05	10	0 34
Salt.....	246	49 20	4,540	437 84	255	10 25
Stone for cutting.....			740	30 75		
Apples.....			5,186	729 35	952	49 54
Barley.....	13,240	1,324 00	4,463	329 44		
Buckwheat.....			48	1 80	2	0 07
Corn.....	271,693	27,169 30	29,182	1,471 95	113	3 87
Cotton (raw).....			110	16 09		
Flax and hemp.....			42	6 30		
Flour.....	22,739	4,545 30	3,855	291 13	904	30 40
Hay (pressed).....	1,177	180 60	10,277	479 19	7,417	335 21
Meals (all kinds).....	22,658	4,531 60	353	24 24	284	9 66
Oil cake.....	114	22 80	1	0 06	5	0 18
Oats.....	73,369	7,336 90	6,514	376 85	1,938	64 81
Pease.....	25	2 50	573	52 27	6	0 22
Potatoes.....			265	14 91	55	1 91
Rye.....	2,270	227 00	463	46 30		
Flaxseed.....	50,794	5,079 40	829	82 75		
Seeds (all kinds).....	37	7 40	6,640	268 11	34	1 16
Tobacco (raw).....			23	3 45		
Wheat.....	488,565	48,552 31	51,442	4,224 87	9	0 32
All other agricultural products, vege- table.....	59	8 85	7,923	817 52		
Bones.....			9	0 50		
Cattle.....			117	7 04	78	2 74
Hogs.....			58	2 29	16	0 84
Hides and skins, horns and hoofs.....	1	0 20	16	0 62	1	0 04
Horses.....	1	0 15	528	29 65	22	0 86
Lard and lard oil.....	98	19 00	267	38 46		
Meats (other than pork).....	15	2 25	162	22 00		
Pork.....	439	87 30	219	21 00	42	1 52
Sheep.....			63	2 61	66	2 33
Tallow.....			2	0 30		
Wool.....	30	6 00				
All other agricultural products, animal.....			6,735	901 82	95	3 19
Total, class No. 3.....	964,535	101,945 86	316,437	23,114 73	33,697	2,600 54

SESSIONAL PAPER No. 20a

A—Continued.

of Tolls heretofore collected, now free, during the Season of Navigation in 1907.

Murray Canal.		Ottawa Canals.		Rideau Canal.		St. Peter's Canal.		Trent Valley Canals.		Sault Ste. Marie Canal.
Tons.	Tolls.	Tons.	Tolls.	Tons	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.
	\$ cts.		\$ cts.		\$ cts.		\$ cts.		\$ cts.	
212,243	310 89	133,526	1,007 39	154,305	2,007 21	24,488	489 77	203,204	693 35	2,048,142
360	2 75			576	19 74			4,132	9 90	9,746,717
17,653	43 75	113,264	1,342 59	29,750	460 05	66,628	1,333 76			106,546
367	6 00	12,455	507 57	3,365	58 78	355	7 10			214,564
230,623	363 39	269,245	2,857 55	187,996	2,545 78	91,471	1,830 63	207,336	703 25	12,115,969
No.		No.		No.		No.		No.		
20,751	254 32	18,777	192 50	22,445	613 03			77,423	343 75	30,660
Tons.		Tons.		Tons.		Tons.		Tons.		
				838	19 72	384	3 84	189	1 78	2,024
		1,809	175 39	1,436	51 88	1,285	12 85	600	0 60	63,782
		52,930	2,939 58	19,165	450 36	425	4 25	112		2,751
				7	0 17	1,794	17 94			575
20	0 38			20	0 47			3		90,515
				31	0 73	4	0 04	3		22,602
1,617	30 76	108	7 87	1,578	39 32	72	0 72	56		14,128
50	1 01			32	1 34			25		11,710
533	10 13			2,431	62 26	739	7 39	1		10,147
				111	2 60	10	0 10	965		5,595
947	17 53	600	34 17	5	0 13	183	1 83	10	0 10	375
840	12 69					4	0 04	10	0 10	126,493
		3	0 18							
		5	0 22	729	17 40	23	0 23	23	0 23	2,604
20	0 37									
										923
75	1 40	57	5 11	426	10 99	1,384	13 84	17	0 12	345,457
70	0 62	1,731	161 47	1,847	47 95	917	9 17	16		1,639
5	0 10	165	9 56	110	2 69	595	5 95	11	0 13	25,431
										1,908
		1,429	131 24	1,185	48 00	3,156	31 56	23		189,307
60	1 13			1	0 03			157	1 57	
		702	41 16	10	0 25	5,028	50 28	348	2 72	127
				13	0 31					8,626
										148,158
		5	0 49	3	0 09					
				3	0 09					
				957	22 34			221	2 21	1,481,999
1,504	28 44	287	17 49	55	1 47	885	8 85			265
		10	0 68			190	1 90			
		339	25 48	1	0 03	4	0 04	2	0 01	11
		59	4 62					441	6 40	4
		12	1 11	12	0 33					8
23	0 49	165	9 86	7	0 19			2	0 01	36
41	0 77	2	0 20	74	2 54					20
85	1 60			45	1 70	379	3 79			
		25	1 48	106	3 02	354	3 54			
		203	17 66							
				1	0 03					32
1,115	20 93	2,443	227 14	1,322	40 95	2	0 02	41		1,604
7,005	128 35	63,089	3,812 16	32,561	829 38	17,817	178 17	3,276	15,98	2,558,856

APPENDIX

No. (A) 14,—STATEMENT of Traffic on the undermentioned Canals and the amount

Articles.	Welland Canal.		St. Lawrence Canals.		Chambly Canal.	
	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.
<i>Class No. 4.</i>		\$ cts.		\$ cts.		\$ cts.
Ashes, pot and pearl.....						
Agricultural implements.....	3,890	583 50	234	23 04	95	3 21
Clockery and eathenware.....	140	21 00	788	147 26	69	6 37
Dye woods and dye stuffs.....			34	5 90	12	1 20
Furniture.....	3	0 45	3,186	541 83	66	2 30
Glass (all kinds).	283	42 65	5,286	1,029 97	4	0 14
Marble.....	2	0 30	6	0 60		
Manilla.....	33	4 95	115	20 59		
Molasses.....	11	1 65	934	116 33	66	2 29
Nails.....	1,886	283 05	7,167	1,381 33	40	1 44
Oil (in barrels).....	33,272	6,646 45	1,609	291 11	143	6 32
Paint.....	134	20 70	1,649	313 31	72	2 57
Pitch and tar.....	217	39 10	1,344	86 51	1,152	168 05
Rags.....			289	51 30	5	0 17
Rosin.....			1,215	64 75	1,872	194 08
Soda ash.....	47	7 80	682	128 95		
Sugar.....	26,204	3,993 35	25,813	5,031 56	170	5 91
Stone (wrought).			5	1 00	220	22 00
Tin.....	132	19 80	2,331	434 28		
Turpentine.....			35	3 80	287	28 70
White lead.....	64	9 80	685	132 06		
Whiting.....	81	12 15	719	137 69		
Whiskey and all other spirits.....	2,472	460 05	3,820	716 56	85	2 93
Merchandise (not enumerated).....	62,305	9,638 93	60,893	9,962 64	5,650	365 88
Total, class No. 4.	131,176	21,785 68	118,839	20,622 31	10,008	813 56
<i>Class No. 5.</i>						
Bark.....						
Barrels (empty).....	1	0 20	1,124	64 53	67	2 34
Boat knees.....						
Floats.....			400	7 00		
Fire wood (in vessels).....	1,980	132 00	5,295	306 50		
“ (in rafts).						
Pulpwood.....			251,740	16,742 50	398,962	13,337 20
Lumber, sawn (in vessels).....	43,561	7,837 07	85,794	3,778 44	82,816	4,893 81
“ (in rafts).....					2	0 07
Hoops.....						
Railway ties (in vessels).....	2,151	343 72	364	19 37		
“ (in rafts).						
Masts, spars and telegraph poles (in ves-						
sels).....						
Masts, spars and telegraph poles (in			4,264	106 60	122	4 08
rafts).....						
Square timber (in vessels).....	17,622	2,643 27	1,071	52 15		
“ (in rafts).			5,972	151 35	45	8 00
Woodenware and wood partly manu-						
factured.....	8	3 20	380	46 90		
Shingles.....	70	48 75	231	160 09	78	11 28
Split posts and fence rails (in vessels)...						
“ (in rafts).						
Saw logs.....	387	35 36	520	48 00		
Staves and headings (barrel).....						
“ (pipe).....			2	0 20		
“ (West India).....						
“ (salt barrel).....						
Traverses.						
Hop poles.....						
Total, class No. 5.	65,780	11,043 57	357,157	21,483 63	482,092	18,256 78

SESSIONAL PAPER No. 20a

A--Continued.

of Tolls heretofore collected, now free, during the Season of Navigation in 1907.

Murray Canal.		Ottawa Canals.		Rideau Canal.		St. Peter's Canal.		Trent Valley Canals.		Sault Ste. Marie Canal.
Tons.	Tolls. 0	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.
	\$ cts.		\$ cts.		\$ cts.		\$ cts.		\$ cts.	
46	1 16	28	5 14	262	25 73	3	0 03	5	0 01	90
190	4 78			41	3 69	18	0 18	1		3,945
47	1 18									101
636	15 84	105	15 76	94	8 92	12	0 12	23	0 13	5
553	13 91	40	7 60	249	23 11	9	0 09			1,028
		3	0 57	14	1 40	2,398	23 98			
21	0 53			212	18 44	18	0 18			
782	19 52	1	0 10	530	58 49	457	4 57			30
441	11 01			601	54 56	37	0 37			6,623
170	4 19			106	10 43	319	3 19	2		1,250
15	0 38	99	18 81	59	5 15	8	0 08			39
23	0 57	195	35 78	108	9 45	14	0 14			
				14	1 24					
				2	0 18					
755	18 82			613	67 29	385	3 85			2,648
				4	0 36			165		
25	0 61	11	2 09			58	0 58			601
93	2 33			106	9 88					
										50
599	15 09	9	1 44	655	59 57	24	0 24			754
7,991	200 55	2,840	391 75	5,603	526 57	848	8 48	1,049	9 03	276,664
12,387	310 47	3,331	479 04	9,273	884 46	4,608	46 08	1,245	9 17	293,828
60	1 50	123	20 65	9	0 69			61	0 58	244
				1 01	6 74	24	0 24			120
		32,160	270 66					6,990	29 26	
2,160	18 00	17,790	691 64	5,504	96 70	215	2 15	26,686	129 34	369
766	8 61	220,837	16,972 26	22,567	1,058 43	7,331	73 31	4,351	13 81	62,691
		134	6 40	77	2 92			30		
		17	1 50							
		116	20 01			55	0 55	28	0 37	375
								282	5 75	
						1	0 01	46		
								155	2 00	42
						425	4 25	1,093		1,823
		200	2 10	1,600	29 88			3,050	23 75	43
				38	2 83	75	0 75	2		3
		3	0 47	168	48 68	225	2 25	113	1 68	18,199
						90	0 90	1		
				93	2 10	183	1 83	20,242	145 99	14,203
						2	0 02			
2,986	28 11	271,380	17,985 69	30,157	1,248 97	8,626	86 26	63,130	352 53	98,112

APPENDIX

No. (A) 14.--STATEMENT of Traffic on the undermentioned Canals and the amount

Articles.	Welland Canal.		St. Lawrence Canals.		Chambly Canal.	
	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.
<i>Special Class.</i>		\$ cts.		\$ cts.		\$ cts.
Coal.....	267,212	53,442 40	359,876	51,627 12	80,736	7,903 82
Kryolite or chemical ore.	2,734	136 70	150	1 88	1,446	72 30
Copper ore.....						
Iron ore.....	22,306	1,115 30			16,631	831 55
Stone (unwrought, not suitable for cut- ting.....	938	46 88	1,170	45 75	672	30 18
Ice.....						
Total, special class.	293,190	54,741 08	361,196	51,674 75	99,485	8,837 85
Total freight and tolls.....	1,454,681	216,430 78	1,153,629	149,123 69	625,282	35,824 54
Timber and other wood, free.....	104,326	7,000 20	4,180	289 00		
Wheat, corn, flour, iron, salt, coal, &c., &c., free.	55,125	9,119 70	942,657	93,671 68		
Grand total (passengers and tonnage of vessels not included).....	1,614,132	232,550 68	2,100,461	243,084 37	625,282	35,824 54

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, April 15, 1907.

SESSIONAL PAPER No. 20a

A—Concluded.

of Tolls heretofore collected, now free, during the Season of Navigation of 1907.

Murray Canal.		Ottawa Canals.		Rideau Canal.		St. Peter's Canal.		Trent Valley Canals.		Sault Ste. Marie Canal.
Tons.	Tolls. 0	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.
	\$ cts.		\$ cts.		\$ cts.		\$ cts.		\$ cts.	
30,024	555 98	50	2 50	9,993	343 71	36,629	366 29	177	0 15	2,533,827
.....				384	7 02	175	1 75	.....		19,384
.....										10,066,079
.....						5,312	53 12	1,978	3 10	18,079
.....				1	0 02					
30,024	555 98	50	2 50	10,378	350 75	42,116	421 16	2,155	3 25	12,637,369
52,402	1,640 62	337,850	25,329 44	82,369	6,472 37	73,167	2,562 30	69,806	1,427 93	15,588,165
.....										
.....										
52,402	1,640 62	337,850	25,329 44	82,369	6,472 37	73,167	2,562 30	69,806	1,427 93	15,588,165

RICHARD DEVLIN,
Compiler of Railway Statistics.

No. (A) 15.—SUMMARY STATEMENT of Traffic on the undermentioned Canals during the
description of property passed through and

Articles.	Welland Canal.		St. Lawrence Canals.		Chambly Canal.	
	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.
Vessels of all kinds.....	1,583,713	\$ 26,707 50 cts.	2,796,127	\$ 26,404 73 cts.	451,265	\$ 5,257 12 cts.
Passengers.....	No. 3,213	206 89	No. 102,597	5,823 54	No. 3,333	58 69
<i>Forest—Produce of Wood.</i>	Tons.		Tons.		Tons.	
Bark.....						
Boat knees.....						
Floats.....			400	7 00		
Firewood.....	1,980	132 00	5,295	306 50		
Pulpwood.....			251,740	16,742 50	398,962	13,337 20
".....Free.	101,989					
Hoops and Hop Poles...						
Lumber, sawed.....	43,561	7,837 07	85,794	3,778 44	82,818	4,893 88
".....Free.	2,337					
Masts, spars, &c.....			4,264	106 60	122	4 08
Railway ties.....	2,151	343 72	364	19 37		
Saw logs.....	387	35 36	520	48 00		
Staves, all kinds.....			2	0 20		
Shingles.....	70	48 75	231	160 09	78	11 28
Split posts and rails						
Timber, square.....	17,622	2,643 27	7,043	203 50	45	8 00
".....Free.			4,180			
Total.....	170,097	11,040 17	359,833	21,372 20	482,025	18,254 44
<i>Farm Stock.</i>						
Cattle.....			117	7 04	78	2 74
Hogs.....			58	2 29	16	0 68
Horses.....	1	0 15	528	29 65	22	0 86
Sheep.....			63	2 61	66	2 33
Total.....	1	0 15	766	41 59	182	6 61
<i>Produce of Animals.</i>						
Bones.....			9	0 50		
Horns and hoofs, hides and skins.....	1	0 20	16	0 62	1	0 04
Lard and lard oil.....	98	19 00	267	38 46		
".....Free.	1					
Meats other than pork.....	15	2 25	162	22 00		
".....Free.	15					
Pork.....	439	87 30	219	21 00	42	1 52
Tallow.....			2	0 30		
Wool.....	30	6 00				
Agricultural products not enumerated (animal).....			6,735	901 82	95	3 19
Total.....	599	114 75	7,410	984 70	138	4 75

SESSIONAL PAPER No. 20a

APPENDIX A—*Continued.*

Season of Navigation ended December 31, 1907, showing the total quantity of each the amount of Tolls heretofore collected (now free).

Murray Canal.		Ottawa Canal.		Rideau Canal.		St. Peter's Canal.		Trent Valley Canals.		Sault Ste. Marie Canal.
Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.
	\$ cts.		\$ cts.		\$ cts.		\$ cts.		\$ cts.	
230,623	363 39	269,245	2,857 55	187,996	2,545 78	91,471	1,830 63	207,336	703 25	12,115,969
No.		No.		No.		No.		No.		No.
20,751	254 32	18,777	192 50	22,445	613 03	.....	.....	77,423	343 25	30,660
Tons		Tons.		Tons.		Tons.		Tons.		Tons.
.....	.....	.....	.....	9	0 69	.....	.....	61	0 58	244
.....	.....	32,160	270 66	.....	.....	.....	.....	6,990	29 26	.....
2,160	18 00	17,790	691 64	5,504	96 70	215	2 15	26,686	129 34	369
.....
.....	.....	17	1 50	.....	.....	2	0 02	.....	.....	.....
766	8 61	220,971	16,978 66	22,644	1,067 35	7,331	73 31	4,381	1,381	62,691
.....
.....	.....	116	20 01	.....	.....	1	0 01	201	2 00	42
.....	.....	.....	.....	93	2 10	55	.....	310	6 12	375
.....	.....	.....	.....	.....	.....	183	1 83	20,242	145 99	14,203
.....	.....	3	47	168	48 68	225	2 25	113	1 68	18,199
.....	.....	.....	.....	.....	.....	90	90	1	.....	.....
.....	.....	200	2 10	1,600	29 88	425	4 25	4,143	23 75	1,866
.....
2,926	26 61	271,257	17,965 04	30,018	1,239 40	8,527	85 27	63,128	352 53	97,989
.....
.....	.....	339	25 48	1	0 03	4	0 04	2	01	11
.....	.....	59	4 62	.....	.....	.....	.....	441	6 40	4
23	0 49	165	9 86	7	0 19	.....	.....	2	0 01	36
.....	.....	203	17 66	.....	.....	.....	.....	.....	.....	.....
23	49	776	57 62	8	0 22	4	0 04	445	6 42	51
.....
.....	.....	10	68	.....	.....	190	1 90	.....	.....	.....
.....	.....	12	1 11	12	0 33	.....	.....	.....	.....	8
41	77	2	20	74	2 54	.....	.....	.....	.....	20
85	1 60	.....	.....	45	1 70	379	3 79	.....	.....	.....
.....	.....	25	1 48	106	3 02	354	3 54	.....	.....	.....
.....	.....	.....	.....	1	0 03	.....	.....	.....	.....	1,604
1,115	20 93	2,443	227 14	1,322	40 95	2	0 02	41	.....	.....
1,241	23 30	2,492	230 61	1,560	48 57	925	9 25	41	.....	1,664

SUPPLEMENTARY

No. (A) 15.—SUMMARY STATEMENT of Traffic on the undermentioned

Articles.	Welland Canal.		St. Lawrence Canals.		Chambly Canal.	
	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.
		\$ cts.		\$ cts.		\$ cts.
<i>Agricultural Products.</i>						
Agricultural products not enumerated (vegetable).....	59	8 85	7,923	817 52		
Apples.....			5,186	729 35	9 52	49 54
Barley.....	13,240	1,324 00	4,463	329 44		
“.....Free.			9,936			
Buckwheat.....			48	1 80	2	0 07
Cotton (raw).....			110	16 09		
Corn.....	271,693	27,169 30	29,182	1,471 95	113	3 87
“.....Free.			105,984			
Flax and hemp.....			42	6 30		
Flour.....	22,739	4,545 30	3,855	291 13	904	30 40
“.....Free.			3,730			
Hay (pressed).....	1,177	180 60	20,277	479 19	7,417	335 21
“.....Free.	30					
Meals (all kinds).....	22,658	4,531 60	353	24 24	284	9 66
Manilla.....	33	4 95	115	20 59		
“.....Free.	15					
Oats.....	73,369	7,336 90	6,514	376 85	1,938	64 81
“.....Free.			66,941			
Pease.....	25	2 50	573	52 27	6	0 22
Potatoes.....			265	14 91	55	1 91
Rye.....	2,270	227 00	463	46 30		
“.....Free.			2,266			
Seeds—Flax, clover and grass.....	50,831	5,086 80	7,469	350 86	34	1 16
“.....Free.			49,179			
Tobacco (raw).....			23	3 45		
Wheat.....	488,565	48,552 31	51,442	4,224 87	9	0 32
“.....Free.			450,446			
Total	946,704	98,970 11	816,785	9,257 11	11,714	497 17
<i>Manufactures.</i>						
Ashes (pot and pearl).....						
Agricultural implements.....	3,890	583 50	234	23 04	95	3 21
Barrel (empty).....	1	0 20	1,124	64 53	67	2 34
Bricks.....	600	90 00	14,840	754 25	1,522	133 83
“.....Free.	556					
Cement and water lime.....	1,899	287 75	6,892	615 24	631	56 49
“.....Free.	13					
Crockery and earthenware.....	140	21 00	788	147 20	69	6 37
“.....Free.	456					
Furniture.....	3	0 45	3,186	541 83	66	2 30
“.....Free.	35					
Glass of all kinds.....	283	42 65	5,286	1,029 97	4	0 14
“.....Free.	3,534		4			
Iron, railway.....	961	144 15	11,933	1,675 40	793	76 61
“.....Free.	4,119					
Iron, pig.....	4,716	940 55	12,091	1,806 41		
“.....Free.	7,655					
Iron, all other.....	6,802	1,033 30	39,307	3,195 05	429	26 80
“.....Free.	6,987		124			
Molasses.....	11	1 65	934	116 33	66	2 29
“.....Free.	50					
Nails.....	1,886	283 05	7,167	1,381 33	40	1 44
“.....Free.	3,331					
Oil.....	33,272	6,646 45	1,609	291 11	143	6 32
“.....Free.	155		22,111			
Oil cake,..	114	22 80	1	0 06	5	18
Paint.....	134	20 70	1,649	313 31	72	2 57
“.....Free.	295					
Pitch and tar.....	217	39 10	1,344	86 51	1,152	168 05
“.....Free.			101			

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APPENDIX A—Continued.

Canals and the amount of Tolls collected, &c.—Continued.

Murray Canal.		Ottawa Canal.		Rideau Canal.		St. Peter's Canal.		Trent Valley Canals.		Sault Ste. Marie Canal.
Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.
o—										
	\$ cts.		\$ cts.		\$ cts.		\$ cts.		\$ cts.	
1,504	28 44	287	17 49	55	1 47	885	8 85			265
947	17 53	600	34 17	5	0 13	183	1 83	10	0 10	375
840	12 69					4	0 04	10	0 10	126,493
		3	0 18							
20	0 37	5	0 22	729	17 40	23	0 23	23	0 23	2,604
										923
75	1 40	57	5 11	426	10 99	1,384	13 84	17	0 12	345,457
70	0 62	1,731	161 47	1,847	47 95	917	9 17	16		1,639
5	0 10	165	9 56	110	2 69	595	5 95	11	0 13	25,431
		3	0 57	14	1 40	18	0 18			
		1,429	131 24	1,185	48 00	3,156	31 56	23		189,307
60	1 13			1	0 03			157	1 57	
		702	41 16	10	0 25	5,028	50 28	348	2 72	127
				13	0 31					8,626
		5	0 49	3	0 09					148,158
				3	0 09					
				957	22 34			221	2 21	1,481,999
3,521	62 28	4,987	401 66	5,358	153 14	12,193	121 93	836	7 18	2,331,404
										90
46	1 16	28	5 14	262	25 73	3	0 03	5	0 01	3,945
60	1 50	123	20 65	101	6 74	24	0 24			120
				838	19 72	384	3 84	189	1 78	2,024
		1,809	175 39	1,436	51 88	1,285	12 85	600	0 60	63,782
190	4 78			41	3 69	18	0 18			101
636	15 84	105	15 76	94	8 92	12	0 12	23	0 13	5
553	13 91	40	7 60	249	23 11	9	0 09			1,028
20	0 38			20	0 47			3		90,515
				31	0 73	4	0 04	3		22,602
1,617	30 76	108	7 87	1,578	39 32	72	0 72	56		14,128
21	0 53			212	18 44	457	4 57			30
782	19 52	1	0 10	530	58 49	37	0 37			6,623
441	11 01			601	54 56	319	3 19	2		1,250
										1,908
170	4 19			106	10 43	8	0 08			39
15	0 38	99	18 81	59	5 15	14	0 14			

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SUPPLEMENTARY

No. (A) 15.—SUMMARY STATEMENT of Traffic on the undermentioned

Articles.	Welland Canal.		St. Lawrence Canals.		Chambly Canal.	
	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.
<i>Manufacturers—Con.</i>						
		\$ cts.		\$ cts.		\$ cts
Rosin.....			1,215	64 75	1,872	194 08
".....Free.	25					
Soda ash.....	47	7 80	682	128 95		
".....Free.	37		15			
Spirits, whiskey, &c.....	2,472	460 05	3,820	716 56	85	2 93
".....Free.	1,040		1,224			
Steel.....	1,728	259 20	6,624	867 05	10	34
".....Free.	2,561					
Sugar.....	26,204	3,993 35	25,813	5,031 56	170	5 91
".....Free.	6,046					
Tin.....	132	19 80	2,331	434 28		
".....Free.	1,173					
White lead.....	64	9 80	685	132 06		
".....Free.	283					
Turpentine.....			35	3 80	287	28 70
".....Free.	1					
Whiting.....	81	12 15	719	137 69		
".....Free.	18					
Woodenware.....	8	3 20	380	46 90		
Total.....	124,035	14,922 65	174,268	19,605 17	7,578	720 90
<i>Merchandise.</i>						
Brimstone, crude.....			2,301	211 10		
Clay, lime and sand.....	239	35 85	80,535	3,236 16	18,017	1,787 47
".....Free.	100					
Coal.....	267,212	53,442 40	359,876	51,627 12	80,736	7,903 82
".....Free.			228,159			
Dye woods and dye stuffs.....			34	5 90	12	1 20
".....Free.	2					
Fish.....	20	3 00	269	22 61	1	0 04
".....Free.	39					
Gypsum.....						
Ores, all kinds.....	25,040	1,252 00	150	1 88	18,077	903 85
Marble.....	2	0 30	6	0 60		
Rags.....			289	51 30	5	0 17
".....Free.	50					
Salt.....	246	49 20	4,540	437 84	255	10 25
".....Free.			143			
Stone (all kinds).....	938	46 88	1,915	77 50	892	52 18
".....Free.	5					
All other goods and merchandise (not enumerated).....	62,305	9,638 93	60,893	9,962 64	5,650	365 88
".....Free.	16,498		2,294			
Total.....	372,696	64,468 56	741,404	65,634 65	123,645	11,024 86
Grand totals (passengers and tonnage of vessels not included).....	1,614,132	189,516 39	2,100,466	149,123 69	625,282	35,824 54

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, April 5, 1907.

APPENDIX A—Continued.

No. 16.—STATEMENT showing the Amount of Tolls heretofore collected, now free, accrued each month during the Season of Navigation ended December 31, 1907.

Canal and Offices.	January.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
WELLAND CANAL.											
Colborne.....		6,432 77	23,381 31	22,799 37	22,867 69	23,799 53	21,880 63	21,616 56	14,651 08	2,811 50	163,240 44
Dalhousie.....		3,084 93	5,623 81	6,170 98	7,074 92	9,175 35	6,560 47	8,465 13	6,709 60	325 15	53,190 34
Total Welland Canal.....		9,517 70	29,005 12	28,970 35	29,942 61	32,974 88	28,441 10	33,081 69	21,360 68	3,136 65	216,430 78
St. Lawrence Canals.											
Soulanges.....			184 67	85 35	367 02	283 88	82 47	25 49	20 36		1,049 24
Cardinal.....			207 38	299 84	421 42	340 03	258 61	290 65	208 49	85 06	2,113 64
Cornwall.....			6,924 39	7,619 79	7,745 08	8,192 09	7,578 62	8,814 54	9,725 26	331 98	56,995 18
Kingston.....			1,961 31	1,966 61	2,551 85	1,384 92	1,950 09	1,707 97	1,537 54		13,233 25
Lachine.....			233 87	352 61	715 82	684 53	594 07	553 78	350 96		3,485 64
Montreal.....			7,395 74	10,877 13	11,845 82	12,938 89	11,303 34	10,314 78	7,421 30	149 74	72,246 74
Total St. Lawrence Canals.....		238 52	16,907 36	21,201 36	23,647 01	23,824 34	21,767 20	21,707 21	19,263 91	566 78	149,123 60
CHAMBLY CANAL.											
Chambly.....			1,315 00	2,240 23	3,822 70	3,770 16	3,453 37	3,890 94	2,085 28		20,577 68
St. John's.....			3,015 93	2,665 11	2,220 50	2,001 37	1,722 09	2,058 66	649 33	79 28	14,412 27
St. Ours.....			91 93	102 47	116 64	109 41	113 42	190 67	104 58		834 59
Total Chamby Canal.....		5 47	4,422 86	5,007 81	6,159 84	5,880 94	5,288 88	6,140 27	2,839 19	79 28	35,824 54
OTTAWA CANALS.											
Ottawa.....			2,502 09	2,264 73	1,944 82	2,395 30	1,470 90	1,641 13	1,217 13		13,436 10
Carillon.....			0 66	10 92	35 34	8 15	31 88	25 98	18 56		131 49
Grenville.....			788 65	574 90	1,028 41	1,095 75	1,466 13	1,641 14	795 71		7,390 69
St. Anne's.....			360 86	673 99	717 86	747 06	768 85	775 29	327 25		4,371 16
Total Ottawa Canals.....			3,652 26	3,524 54	3,726 43	4,246 26	3,737 76	4,083 54	2,358 65		25,329 44
RIDEAU CANAL.											
Kingston Mills.....			172 98	187 90	235 60	286 35	276 89	158 68	55 56		1,373 96
Ottawa.....			459 33	513 08	619 41	598 96	495 16	527 78	342 59		3,556 31
Smith's Falls.....			145 66	221 11	388 62	417 11	152 80	121 30	95 50		1,542 10
Total Rideau Canal.....			777 97	922 09	1,243 63	1,302 42	924 85	807 76	493 65		6,472 37

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No. (A) 17.—SUMMARY STATEMENT showing the Number, Tonnage and Nationality of 1907, and the amount of

Vessels.	Total Number.	From Canadian to Canadian Ports.		From Canadian to United States Ports.	
		Up.	Down.	Up.	Down.
WELLAND CANAL.					
Canadian vessels, steam.....	812	216,138	231,537	72,811	.....
“ sail.....	315	47,298	48,440	29,958	198
Total Canadian.....	1,127	263,436	279,977	102,769	198
United States vessels, steam.....	704	53	1,586	110,881	4,699
“ sail.....	151	.....	.....	15,796	6,154
Total United States.....	855	53	1,586	126,677	10,853
Grand total, Welland Canal.....	1,982	263,489	281,563	229,446	11,051
ST. LAWRENCE CANALS.					
Canadian vessels, steam.....	4,009	524,549	445,565	46,369	148
“ sail.....	4,725	654,097	567,696	26,196	.....
Total Canadian.....	8,734	1,178,646	1,013,261	72,565	148
United States vessels, steam.....	920	32,494	8,502	106,965	17
“ sail.....	432	1,907	13,039	49,341	602
Total United States.....	1,352	34,401	21,541	156,306	619
Grand total, St. Lawrence Canals.....	10,086	1,213,047	1,034,802	228,871	767
CHAMBLY CANAL.					
Canadian vessels, steam.....	303	37,634	36,159	.....	.....
“ sail.....	300	5,676	5,667	4,409	.....
Total Canadian.....	603	43,310	41,826	4,409	.....
United States, vessels, steam.....	7	.....	.....	15	.....
“ sail.....	3,569	.....	1,687	166,005	.....
Total United States.....	3,576	.....	1,687	166,020	.....
Grand total, Chambly Canal.....	4,179	43,310	43,513	170,429	.....
OTTAWA CANALS.					
Canadian vessels, steam.....	887	38,714	94,812	.....	.....
“ sail.....	914	4,241	104,644	.....	4,379
Total. Canadian.....	1,801	42,955	199,456	.....	4,379
United States vessels, steam.....	.....	.....	.....	.....	.....
“ sail.....	233	614	154	.....	17,473
Total United States.....	233	614	154	.....	17,473
Grand total, Ottawa Canals.....	2,034	43,569	199,610	.....	21,852
RIDEAU CANAL.					
Canadian vessels, steam.....	5,187	75,505	74,312	2,309	.....
“ sail.....	1,026	12,699	14,358	1,124	.....
Total Canadian.....	6,213	88,204	88,670	3,433	.....
United States vessels, steam.....	78	9	27	181	.....
“ sail.....	65	867	1,576	.....	585
Total United States.....	143	876	1,603	181	585
Grand total, Rideau Canal.....	6,356	89,080	90,273	3,614	585

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Vessels passed through all the Canals during the Season of Navigation ended December
Tolls heretofore collected, now free.

From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
Up.	Down.	Up.	Down.	Up.	Down.		
							\$ cts.
1,553		3,717	67,872	294,219	299,409	593,628	10,059 28
			34,191	77,256	82,829	160,085	3,580 29
1,553		3,717	102,063	371,475	382,238	753,713	13,639 57
250,519	186,707	6,793	205,014	368,246	398,006	766,252	11,634 07
6,053	4,324	4,704	26,717	26,553	37,195	63,748	1,433 86
256,572	191,031	11,497	231,731	394,799	435,201	830,000	13,067 93
258,125	191,031	15,214	333,793	766,274	817,439	1,583,713	26,707 50
	1,392		66,712	570,918	513,817	1,084,735	8,590 36
	37		29,918	680,293	597,651	1,277,944	13,462 10
	1,429		96,630	1,251,211	1,111,468	2,362,679	22,052 46
10,291	9,490	169	136,373	149,919	154,382	304,301	2,581 29
285	285	16,021	47,667	67,554	61,593	129,147	1,770 98
10,576	9,775	16,190	184,040	217,473	215,975	433,448	4,352 27
10,576	11,204	16,190	280,670	1,468,684	1,327,443	2,796,127	26,404 73
				37,634	36,159	73,793	215 02
			9,093	10,085	14,760	24,845	284 09
			9,093	47,719	50,919	98,638	499 11
			202	15	202	217	6 18
			184,718	166,005	186,405	352,410	4,751 83
			184,920	166,020	186,607	352,627	4,758 01
			194,013	213,739	237,526	451,265	5,257 12
				38,714	94,812	133,526	1,007 39
				4,241	109,023	113,264	1,342 59
				42,955	203,835	246,790	2,349 98
		4,214		4,828	17,627	22,455	507 57
		4,214		4,828	17,627	22,455	507 57
		4,214		47,783	221,462	269,245	2,857 55
			2,179	77,814	76,491	154,305	2,007 21
			1,569	13,823	15,927	29,750	460 05
			3,748	91,637	92,418	184,055	2,467 26
			359	190	386	576	19 74
			337	867	2,498	3,365	58 78
			696	1,057	2,884	3,941	78 52
			4,444	92,694	95,302	187,996	2,545 78

8-9 EDWARD VII., A. 1909

No. (A) 17.—SUMMARY STATEMENT showing the Number, Tonnage and Nationality of 1907, and the amount of

Vessels.	Total Number.	From Canadian to Canadian Ports.		From Canadian to United States Ports.	
		Up.	Down.	Up.	Down.
ST. PETER'S CANAL.					
Canadian vessels, steam.....	202	12,746	11,742		
“ sail.....	1,133	32,184	34,444		
Total Canadian.....	1,335	44,930	46,186		
United States vessels, steam.....					
“ sail.....	2		355		
Total United States.....	2		355		
Grand total, St. Peter's Canal.....	1,337	44,930	46,541		
TRENT VALLEY CANALS.					
Canadian vessels, steam.....	4,681	104,588	98,616		
“ sail.....	104	2,047	2,085		
Total Canadian.....	4,785	106,635	100,701		
United States vessels, steam.....					
“ sail.....					
Total United States.....					
Grand total, Trent Valley Canals.....	4,785	106,635	100,701		
MURRAY CANAL.					
Canadian vessels, steam.....	926	71,370	66,385	36,965	
“ sail.....	92	3,186	3,666	5,482	
Total Canadian.....	1,018	74,556	70,051	42,447	
United States vessels, steam.....	11	286	74		
“ sail.....	24	222	145		
Total United States.....	35	508	219		
Grand total, Murray Canal.....	1,053	75,064	70,270	42,447	
SAULT STE. MARIE CANAL.					
Canadian vessels, steam.....	2,889	673,765	783,205	103,656	122,861
“ sail.....	328	45,511	37,984	8,543	1,660
Total Canadian.....	3,217	719,276	821,189	112,199	124,521
United States vessels, steam.....	3,016	19,171	42,844	19,060	39,096
“ sail.....	116	1,726	2,029	2,352	3,422
	3,132	20,897	44,873	21,412	42,518
Grand total, Sault Ste. Marie Canal.....	6,349	740,173	866,062	133,611	167,039

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Vessels passed through all the Canals during the Season of Navigation ended December
Tolls heretofore collected, now free—*Continued.*

From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
Up.	Down.	Up.	Down.	Up.	Down.		
							\$ cts.
.....	.....	.....	.....	12,746	11,742	24,488	489 77
.....	.....	.....	.....	32,184	34,444	66,628	1,333 76
.....	.....	.....	.....	44,930	46,186	91,116	1,823 53
.....	.....	.....	.....	.....	355	355	7 10
.....	.....	.....	.....	.....	355	355	7 10
.....	.....	.....	.....	44,930	46,541	91,471	1,830 63
.....	.....	.....	.....	104,588	98,616	203,204	693 35
.....	.....	.....	.....	2,047	2,085	4,132	9 90
.....	.....	.....	.....	106,635	100,701	207,336	702 25
.....
.....	.....	.....	.....	106,635	100,701	207,336	702 25
.....
.....	.....	.....	37,523	108,335	103,908	212,243	310 89
.....	.....	.....	5,319	8,668	8,985	17,653	43 75
.....	.....	.....	42,842	117,003	112,893	229,896	354 64
.....	.....	.....	.....	286	74	360	2 75
.....	.....	.....	.....	222	145	367	6 00
.....	.....	.....	.....	508	219	727	8 75
.....	.....	.....	42,842	117,511	113,112	230,623	363 39
7,600	5,017	227,017	125,021	1,012,038	1,036,104	2,048,142	.....
.....	885	7,438	4,525	61,492	45,054	106,546	.....
7,600	5,902	234,455	129,546	1,073,530	1,081,158	2,154,688	.....
4,344,418	5,091,426	168,893	21,809	4,551,542	5,195,175	9,746,717	.....
118,487	80,828	4,975	745	127,540	87,024	214,564	.....
4,462,905	5,172,254	173,868	22,554	4,679,082	5,282,199	9,961,281
4,470,505	5,178,156	408,323	152,100	5,752,612	6,363,357	12,115,969

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No. (A) 17.—SUMMARY STATEMENT showing the Number

RECAPITU

Vessels.	Total Number.	From Canadian to Canadian Ports.		From Canadian to United States Ports.	
		Up.	Down.	Up.	Down.
CANADIAN VESSELS.					
<i>Steam and Sail.</i>					
Welland.....	1,127	263,436	279,977	102,769	198
St. Lawrence.....	8,734	1,178,646	1,013,261	72,565	148
Chambly.....	603	43,310	41,826	4,409	
Ottawa.....	1,801	42,955	199,456		4,379
Rideau.....	6,213	88,204	88,670	3,433	
St. Peter's.....	1,335	44,930	46,186		
Trent Valley.....	4,785	106,635	100,701		
Murray.....	1,018	74,556	70,051	42,447	
Sault Ste. Marie.....	3,217	719,276	821,189	112,199	124,521
Total Canadian.....	28,833	2,561,948	2,661,317	337,822	129,246
UNITED STATES VESSELS.					
Welland.....	855	53	1,586	126,677	10,853
St. Lawrence.....	1,352	34,401	21,541	156,306	619
Chambly.....	3,576		1,687	166,020	
Ottawa.....	233	614	154		17,473
Rideau.....	143	876	1,603	181	585
St. Peter's.....	2		355		
Trent Valley.....					
Murray.....	35	508	219		
Sault Ste. Marie.....	3,132	20,897	44,873	21,412	42,518
Total United States.....	9,328	57,349	72,018	304,591	72,048
Grand total, Canadian and United States.	38,161	2,619,279	2,733,335	642,413	201,294

SESSIONAL PAPER No. 20a

Tonnage and Nationality of Vessels, &c.—*Concluded.*

ULATION.

From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
Up.	Down.	Up.	Down.	Up.	Down.		
							\$ cts.
1,553		3,717	102,063	371,475	382,238	753,713	13,639 57
	1,429		96,630	1,251,211	1,111,468	2,362,679	22,052 46
			9,093	47,719	50,919	98,638	499 11
				42,955	203,835	246,790	2,349 98
			3,748	91,637	92,418	184,055	2,467 26
				44,930	46,186	91,116	1,823 53
				106,635	100,701	207,336	702 25
			42,842	117,003	112,893	229,896	354 64
7,600	5,902	234,455	129,546	1,073,530	1,081,158	2,154,688	
9,153	7,331	238,172	383,922	3,147,095	3,181,816	6,328,911	43,888 80
256,572	191,031	11,497	231,731	394,799	435,201	830,000	13,067 93
10,576	9,775	16,190	184,040	217,473	215,975	433,448	4,352 27
			184,920	166,020	186,607	352,627	4,758 01
		4,214		4,828	17,627	22,455	507 57
			696	1,057	2,884	3,941	78 52
					355	355	7 10
				508	219	727	8 75
4,462,905	5,172,254	173,868	22,554	4,679,082	5,282,199	9,961,281	
4,730,053	5,373,060	205,769	623,941	5,463,767	6,141,067	11,604,834	22,780 15
4,739,206	5,380,391	443,941	1,017,863	8,610,862	9,322,883	17,933,745	66,668 95

APPENDIX A - Continued.

No. (A) 18. COMPARATIVE STATEMENT of Grand Total Freight passed through the undermentioned Canals during the Seasons of Navigation 1906 and 1907 and the Amount of Tolls heretofore collected, now free, on the same, including Tolls on Vessels and Passengers.

Canals.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	
1906.											
Welland.....	77,635	374,640	53,867	36,109	84,205	237,226	7,161	331,124	222,868	979,099	1,201,967 163,031 93
St. Lawrence.....	445,483	706,840	142,326		131	735	14,461	326,141	602,401	1,033,716	1,636,117 124,832 54
Chambly.....	6,681	11,345	372,571					108,342	379,252	119,687	498,939 30,189 18
Ottawa.....	240,158	154,907						2,350	240,158	157,257	397,415 30,729 20
Rideau.....	30,965	33,785	2,667	4,936				9,806	33,632	48,527	82,159 6,824 91
St. Peter's.....	26,671	49,656							26,671	49,656	76,327 2,658 70
Trent Valley.....	18,331	10,164							18,331	10,164	28,495 1,123 57
Murray.....	11,814	9,555	3,008						14,822	12,905	27,727 1,283 02
Sault Ste. Marie.....	381,191	1,004,963	52,655	193,874	907,172	3,357,295	460,617	216,272	1,801,635	4,772,404	6,574,039 No Tolls.
Grand total.....	1,238,929	2,355,855	627,094	234,919	991,508	3,595,256	482,239	997,385	3,339,770	7,183,415	10,523,185 360,673 05
1907.											
Welland.....	91,495	452,519	110,556	26,773	177,660	219,083	10,453	525,593	390,164	1,223,968	1,614,132 216,430 78
St. Lawrence.....	501,346	885,006	264,292	124	232	2,515	18,242	428,709	784,112	1,316,354	2,100,466 149,123 69
Chambly.....	4,817	10,227	483,423					126,815	488,240	137,042	625,282 35,824 54
Ottawa.....	324	284,428				53,098			324	337,526	337,850 25,329 44
Rideau.....	34,161	32,634	4,735	1,614					38,896	43,473	82,369 6,472 37
St. Peter's.....	25,756	47,411							25,756	47,411	73,167 2,562 30
Trent Valley.....	13,625	56,181							13,625	56,181	69,806 1,427 93
Murray.....	11,960	13,560	390						12,350	40,052	52,402 1,640 62
Sault Ste. Marie.....	351,249	1,380,192	28,296	197,597	1,814,067	10,786,182	790,674	239,908	2,984,286	12,603,879	15,588,165 No Tolls.
Grand total.....	1,034,733	3,162,158	891,692	226,138	1,991,959	11,060,878	819,369	1,356,712	4,737,753	15,805,886	20,543,639 438,811 67

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 8, 1908.

RICHARD DEVLIN,
Compiler of Canal Statistics.

APPENDIX A—Continued.

No. 19.—COMPARATIVE STATEMENT of the Traffic of all the Canals for the Years ending December 31, 1906 and 1907.

Articles.	1906.	1907.	Increase.	Decrease.
Class No. 1.	Tons.	Tons.	Tons.	Tons.
Canadian Vessels, steam.....	3,967,984	4,528,064	560,080	.....
United States Vessels, steam.....	4,954,751	10,822,555	5,867,804	.....
Canadian Vessels, sail.....	1,589,246	1,796,715	207,469	.....
United States Vessels, sail.....	735,227	786,411	51,184	.....
Total, class No. 1.....	11,247,208	17,933,745	6,686,537	.....
Class No. 2.	No.	No.	No.	No.
Passengers.....	256,500	279,199	22,699	.....
Class No. 3.	Tons.	Tons.	Tons.	Tons.
Bricks.....	17,713	20,953	3,240	.....
Brimstone.....	2,187	2,301	114	.....
Cement and water lime.....	45,707	78,347	32,640	.....
Clay, lime and sand.....	140,185	174,274	34,089	.....
Fish.....	2,692	2,705	13	.....
Gypsum.....	9	.....	.....	9
Iron (railway).....	135,349	108,364	.....	26,985
“ (pig).....	22,160	47,102	24,942	.....
“ (all other).....	77,765	71,208	.....	6,557
Steel.....	4,743	22,740	17,997	.....
Salt.....	24,217	19,035	.....	5,182
Stone, for cutting.....	759	7,421	6,662	.....
Apples.....	8,048	8,258	210	.....
Barley.....	145,146	154,986	9,840	.....
Buckwheat.....	765	53	.....	712
Corn.....	299,681	410,671	110,990	.....
Cotton (raw).....	20	130	110	.....
Flax and hemp.....	25	965	940	.....
Flour.....	307,111	378,644	71,533	.....
Hay (pressed).....	26,811	25,121	.....	1,690
Meals (all kinds).....	27,532	49,612	22,080	.....
Oil cake.....	95	2,028	1,933	.....
Oats.....	246,450	343,984	97,534	.....
Pease.....	2,126	822	.....	1,304
Potatoes.....	5,853	6,535	682	.....
Rye.....	7,143	13,638	6,495	.....
Flax seed.....	275,288	248,940	.....	26,348
Seeds (all kinds).....	1,455	6,739	5,284	.....
Tobacco (raw).....	2	26	24	.....
Wheat.....	1,696,352	2,473,202	776,850	.....
All other agricultural products, vegetable.....	4,805	10,978	6,173	.....
Bones.....	107	209	102	.....
Cattle.....	932	552	.....	380
Hogs.....	365	578	213	.....
Hides and skins, horns and hoofs.....	125	50	75
Horses.....	1,685	784	901
Lard and lard oil.....	10,548	503	10,045

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No. 19.—COMPARATIVE STATEMENT of the Traffic of all the Canals for the Years ending December 31, 1906 and 1907—Continued.

Articles.	1906.	1907.	Increase.	Decrease.
Class No. 3—Concluded.	Tons.	Tons.	Tons.	Tons.
Meats, other than pork.....	447	701	254	
Pork.....	834	1,185	351	
Sheep.....	541	332		209
Tallow.....	81	34		47
Wool.....	3,309	1,635		1,674
All other agricultural products, animal.....	11,057	11,753	696	
Total, class No. 3.....	3,558,225	4,708,098	1,231,991	82,118
Class No. 4.				
Ashes, pot and pearl.....	96	90		6
Agricultural implements.....	4,050	8,508	4,458	
Crockery and earthenware.....	2,505	1,804		701
Dye woods and dye stuffs.....	76	95	19	
Furniture.....	4,823	4,165		658
Glass (all kinds).....	11,126	10,990		136
Marble.....	2,610	2,406		204
Manilla.....	1,968	198		1,770
Molasses.....	1,943	1,781		162
Nails.....	24,847	20,397		4,450
Oil (in barrels).....	47,842	59,903	12,061	
Paint.....	2,986	2,473		513
Pitch and tar.....	3,053	3,001		52
Rags.....	381	670	289	
Resin.....	2,815	3,126	311	
Soda ash.....	1,278	783		495
Sugar.....	43,954	62,634	18,680	
Stone (wrought).....	508	399		109
Tin.....	7,168	4,331		2,837
Turpentine.....	564	323		241
White lead.....	2,350	1,231		1,119
Whiting.....	1,351	868		483
Whisky and all other spirits.....	11,067	10,682		385
Merchandise (not enumerated).....	466,809	442,635		24,174
Total, class No. 4.....	646,170	643,493	35,818	38,495
Class No. 5.				
Bark.....	13	314	301	
Barrels, empty.....	1,090	1,620	530	
Boat knees.....				
Floats.....	29,043	39,550	10,507	
Firewood (in vessels).....	96,026	59,999		36,027
“ (in rafts).....	1,740			1,740
Pulpwood.....	427,013	752,691	325,678	
Lumber sawn (in vessels).....	647,689	533,051		114,638
“ (in rafts).....	4,564	243		4,321
Hoops.....	102	17		85
Railway ties (in vessels).....	5,640	3,089		2,551
“ (in rafts).....	69	282	213	
Masts, spars and telegraph poles (in vessels).....	29	47	18	
“ (in rafts).....	14,730	4,583		10,147
Square timber (in vessels).....	21,685	26,214	4,529	
“ (in rafts).....	7,298	10,910	3,612	
Woodenware and wood partly manufactured.....	237	506	269	
Shingles.....	16,652	19,087	2,435	
Split posts and fence rails (in vessels).....	4	91	87	
“ (in rafts).....				
Saw logs.....	90,929	35,628		55,301
Staves and headings (barrel).....	95			95
“ (pipe).....		2	2	
“ “ (West India).....				
“ “ (salt barrel).....	3,000			3,000
Traverses.....				
Hop poles.....	50	2		48
Total, class No. 5.....	1,367,698	1,487,926	348,181	227,953

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No. 19.—COMPARATIVE STATEMENT of the Traffic of all the Canals for the Years ending
December 31, 1906 and 1907—*Concluded.*

Articles.	1906.	1907.	Increase.	Decrease.
<i>Special Class.</i>	Tons.	Tons.	Tons.	Tons.
Coal.....	1,954,671	3,546,683	1,592,012	
Kryolite or chemical ore.....	2,017	4,889	2,872	
Iron ore.....	2,970,637	10,105,016	7,134,379	
Copper ore.....	8,976	19,384	10,408	
Stone (unwrought, not suitable for cutting.....	12,711	28,149	15,438	
Ice.....	2,080	1		2,079
Total, special class.....	4,951,092	13,704,122	8,755,109	2,079
Grand totals (passengers and tonnage of vessels not included).....	10,523,185	20,543,639	10,371,099	350,645
Freight, grand total increase.....			10,020,454	

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 8, 1908.

RICHARD DEVLIN,
Compiler of Canal Statistics.

APPENDIX A—Continued.

No. (A) 20—STATEMENT of the Number and Tonnage of all kinds of Vessels passed through the Canals, during the Season of Navigation in 1907.

WELLAND CANAL.

CANADIAN.					UNITED STATES.			
Steam Vessels.			Sailing Vessels.		Steam Vessels.		Sailing Vessels.	
Tonnage.	Number.	Total Tonnage.	Number	Total Tonnage.	Number.	Total Tonnage.	Number.	Total Tonnage.
8	12	96	26	208	8	64	4	32
10	3	30	2	20	3	30	2	20
15	1	15	1	15	2	30		
20	1	20			1	20		
25	2	50			2	50		
30	8	240					4	120
35	1	35			2	70		
40			1	40	1	40	4	160
45	1	45			2	90		
50			4	200	1	50	1	50
55	1	55					1	55
60			2	120			1	60
65	1	65						
70			1	70	1	70		
75			1	75	2	150		
80	2	160	2	160	2	160		
85	1	85			3	255		
90	1	90			2	180		
95	1	95			1	95		
100	2	200	4	400				
105	1	105						
110			1	110				
115			1	115				
130							1	130
135	1	135						
150	1	150			1	150		
155	1	155			1	155		
160					1	160		
165	1	165	1	165				
185			1	185				
205			1	205				
215							1	215
245	1	245						
250	1	250						
255			1	255				
260	1	260	1	260	1	260	2	320
265					1	265		
280					1	280		
285					1	285		
290	1	290						
295	1	295	1	295	1	295		
300					1	300		
305	1	305						
310			1	310				
315	1	315						
320	1	320						
330	1	330						
340	1	340	1	340				
359	1	359						
360			1	360	1	360		
375	1	375						
379	1	379						
399					1	399		
401	1	401						
412	1	412						
444					1	444		
451					1	451		
456					1	456		
461	1	461						
472							1	472
480					1	480		
481	1	481			1	481		
482					1	482		

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No. (A) 20.—STATEMENT of the Number and Tonnage of all kinds of Vessels, &c.—
Continued.

WELLAND CANAL.—*Continued.*

CANADIAN.					UNITED STATES.				
Steam Vessels.			Sailing Vessels.		Steam Vessels.		Sailing Vessels.		
Tonnage.	Number.	Total Tonnage.	Number	Total Tonnage.	Number.	Total Tonnage.	Number.	Total Tonnage.	
483	1	483							
492			1	492			1	492	
494					1	494			
496			1	496			1	496	
503					1	503			
505					1	505			
511					1	511	2	1,022	
516	1	516							
530	1	530							
531							1	531	
543					1	543	1	543	
546					1	546			
556	1	556							
557					1	557			
573	1	573							
588							1	588	
590	1	590					1	590	
598	1	598					1	598	
616							1	616	
630	1	630							
650					2	1,300			
658	1	658	1	681					
683							1	683	
694					1	694			
701					1	701			
719	1	719							
740	1	740	1	740					
771	1	771							
773	1	773			1	773			
780	1	780			1	780			
781	1	781							
791	1	791							
794	1	794							
795						795			
802	1	802					1	802	
838	1	838							
856					1	856			
864	1	864			1	864			
868	1	868							
874					1	874			
882					1	882			
885	1	885	1	885					
904	1	904			1	904			
908	1	908	1	908	1	908			
919	1	919			2	1,838			
929					1	929			
940					2	1,880			
944					2	1,888			
955			1	955	1	955			
962					1	962			
966					1	966			
970	1	970	1	970					
973	1	973							
977	1	977							
982	2	1,964							
987	2	1,974			1	987			
989	1	989	1	989	1	989			
992	1	992							
994					1	994			
996	1					996			
1,010	1				1	1,010			
1,013					1	1,013			
1,020	1				1	1,020			
1,035					2	2,070			
1,038	1	1,038							
1,054			1	1,054	1	1,054			
1,079					1	1,079			
1,100					1	1,100			
1,108	1	1,108							
1,111					1	1,111			
1,118	1	1,118							

8-9 EDWARD VII., A. 1909

No. (A) 20.—STATEMENT of the Number and Tonnage of all kinds of Vessels, &c.—
Concluded.

WELLAND CANAL.—Concluded.

CANADIAN.					UNITED STATES.			
Steam Vessels.			Sailing Vessels.		Steam Vessels.		Sailing Vessels.	
Tonnage.	Number.	Total Tonnage.	Number	Total Tonnage.	Number.	Total Tonnage.	Number.	Total Tonnage.
1,142	2	2,284					1	1,129
1,172	2	2,344						
1,184	1	1,184						
1,187	1	1,187			1	1,187		
1,190	1	1,190						
1,197	2	2,394						
1,201	1	1,201						
1,222	1	1,222						
1,226			1	1,226				
1,246	1	1,246						
1,310							1	1,310
1,341	1	1,341						
1,349	1	1,349						
1,358	1	1,358						
1,388					1	1,388		
1,415					1	1,415		
1,418					1	1,418		
1,425					1	1,425		
1,431	1	1,431						
1,441					1	1,441		
1,444	1	1,444						
1,452	1	1,452						
1,453	1	1,453						
1,465	1	1,465						
1,547					1	1,547		
1,548					1	1,548		
1,553					2	1,553		
1,565					1	1,565		
1,668					1	1,668		
1,673					1	1,673		
1,758					1	1,758		
Total.....	90	59,528	67	11,904	106	63,471	38	11,034

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, June 15, 1907.

RICHARD DEVLIN,
Compiler of Canal Statistics.

SESSIONAL PAPER No. 20a

No. (A) 20—STATEMENT of the Number and Tonnage of all kinds of Vessels passed through the Canals during the Season of Navigation in 1907.

ST. LAWRENCE CANALS.

CANADIAN.					UNITED STATES.			
Steam Vessels.			Sailing Vessels.		Steam Vessels.		Sailing Vessels.	
Tonnage.	Number.	Total Tonnage.	Number	Total Tonnage.	Number.	Total Tonnage.	Number.	Total Tonnage.
8	71	568	5	40	14	112		
10	13	130	1	10	3	30		
15	10	150	1	15	1	15		
20	6	120	4	80	3	60		
25	5	125	1	25	1	25		
30	9	120	2	60				
35	5	175	2	70	4	140		
40	3	120	7	280	1	40		
45	6	270	3	135	4	180		
50	3	150	3	150				
55	2	110	7	385	2	110		
60	5	300	7	420			1	60
65	2	130	3	195	1	65		
70	4	280	2	140				
75	2	150	8	600				
80	2	160	7	560				
85	4	350	9	765	1	85	10	850
90	1	90	7	630			12	1,080
95	1	95	12	1,140			50	4,750
100	6	600	14	1,400			16	1,600
105	2	210	17	1,785			6	630
110	1	110	7	770			4	440
115	2	230	12	1,380				
120	1	120	4	480			1	120
125	1	125	8	1,000	1	125		
130	1	130	15	1,950				
135			4	540				
140	1	140	10	1,400				
145			15	2,175	1	145		
150	2	300	16	2,400				
155	4	620	14	2,170			1	155
160	1	160	5	800				
165			6	690				
170			5	850				
175	2	350	3	525				
180			1	180				
185			2	370				
190	1	190	4	760				
195			1	195				
200			2	400	1	200	1	200
205			3	615				
210			1	210				
225			2	450				
235	1	235	1	235				
250			1	250				
255			3	765				
260	1	260						
265			1	265				
270							1	270
275			1	275				
280							1	280
285							1	285
290			2	580				
295			2	590			1	295
300	1	300	4	1,200				
305			1	305				
310	1	310	3	930			1	310
315	1	315	2	630	1	315		
320			5	1,600				
330			3	990				
335	1	335	7	2,345			1	335
340			2	680			1	340
355					1	355		
360			2	720	2	720		
365			3	1,095				
370			1	370				
375	1	375						
380			1	380				
385			2	770				
395			1	395				

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No. (A) 20.—STATEMENT of the Number and Tonnage of all kinds of Vessels, &c.—
Continued.

ST. LAWRENCE CANALS—Continued.

CANADIAN.					UNITED STATES.			
Steam Vessels.			Sailing Vessels.		Steam Vessels.		Sailing Vessels.	
Tonnage.	Number.	Total Tonnage.	Number	Total Tonnage.	Number.	Total Tonnage.	Number.	Total Tonnage.
410	1	410	3	1,230				
415			4	1,660				
430			1	430				
435			2	875			1	435
440			1	440			1	440
450			1	450				
460			1	460	1	460		
470	1	470	1	470				
475	2	950	1	475			1	475
480	1	480	2	960				
485			1	485				
490							1	490
495			1	495				
500	2	1,000						
505	1	505						
515	1	515	3	1,545	1	515	1	515
530	1	530					1	530
535			1	535				
540			2	1,080	1	540		
565			1	565				
575	1	575	1	575				
585			3	1,755				
590			1	590				
595	1	595	1	595			1	595
605			2	1,210				
640			1	640				
649	2	1,350						
675								
680	1	680	1	680				
700	2	1,400	2	1,400				
773					1	773		
775	1	775						
780	1	780						
792	1	792						
796					1	796		
805	1	805						
831	1	831						
838	1	838			1	838		
864	1	864						
868	1	868						
874					1	874		
881					1	881		
908			1	908				
911					1	911		
919					1	919		
929					1	929		
944					1	944		
955					1	955		
970			1	970	1	970		
977	1	977						
992	1	992			1	992		
993							1	993
996	1	996						
1,000					1	1,000		
1,008					1	1,008		
1,010					1	1,010		
1,020	1	1,020			1	1,020		
1,038	1	1,038						
1,100	1	1,100						
1,042	2	2,284						
1,147					1	1,147		
1,190	1	1,190						
1,197	1	1,197						
1,231	1	1,231						
1,246	1	1,246			2	2,492		
1,276	1	1,276						
1,312	1	1,312						
1,315					1	1,315		
1,341	1	1,341						
1,358					1	1,358		
1,418							1	1,418

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No. (A) 20.—STATEMENT of the Number and Tonnage of all kinds of Vessels, &c.—
Concluded.

ST. LAWRENCE CANALS—Concluded.

CANADIAN.					UNITED STATES.			
Steam Vessels.			Sailing Vessels.		Steam Vessels.		Sailing Vessels.	
Tonnage.	Number.	Total Tonnage.	Number	Total Tonnage.	Number.	Total Tonnage.	Number.	Total Tonnage.
1,444	1	1,444	.....	.....	.....	.....	.....	.....
1,629	1	1,629	.....	.....	.....	.....	.....	.....
1,758	.....	.....	.....	.....	1	1,758	.....	.....
2,486	1	2,486	.....	.....	.....	.....	.....	.....
	229	47,780	351	66,788	68	27,771	118	17,891

RIDEAU AND OTTAWA AND CHAMBLY CANALS.

8	140	1,120	55	440	15	120	3	24
10	16	160	6	60	.....	.....	.....	.....
15	10	150	1	15	3	45	.....	.....
20	5	100	6	120	.....	.....	.....	.....
25	1	25	5	125	1	25	5	125
30	2	60	2	60	.....	.....	.....	.....
35	2	70	1	35	.....	.....	.....	.....
40	1	40	1	40	1	40	.....	.....
45	2	90	4	180	.....	.....	.....	.....
50	4	200	5	250	.....	.....	1	50
55	1	55	2	110	.....	.....	.....	.....
60	1	60	2	120	.....	.....	1	60
65	.....	.....	1	65	.....	.....	1	65
70	2	140	.....	.....	.....	.....	.....	.....
75	1	75	3	225	.....	.....	2	150
80	.....	.....	5	400	.....	.....	5	400
85	1	85	2	170	.....	.....	17	1,445
90	1	90	.....	.....	.....	.....	77	6,930
95	2	190	2	190	.....	.....	406	38,570
100	.....	.....	7	700	.....	.....	53	5,300
105	1	105	4	420	.....	.....	44	4,620
110	1	110	2	220	.....	.....	36	3,960
115	2	230	2	230	.....	.....	11	1,265
120	.....	.....	3	360	.....	.....	.....	.....
125	.....	.....	3	375	.....	.....	.....	.....
130	.....	.....	3	260	.....	.....	.....	.....
135	.....	.....	5	675	.....	.....	.....	.....
140	1	140	6	840	.....	.....	.....	.....
145	.....	.....	9	1,305	.....	.....	.....	.....
150	1	150	13	1,950	.....	.....	.....	.....
155	1	155	12	1,860	.....	.....	.....	.....
160	.....	.....	5	800	.....	.....	.....	.....
165	1	165	3	495	.....	.....	.....	.....
170	.....	.....	5	850	.....	.....	.....	.....
175	.....	.....	1	175	.....	.....	.....	.....
180	1	180	.....	.....	.....	.....	.....	.....
195	2	390	2	390	.....	.....	.....	.....
200	.....	.....	2	400	.....	.....	.....	.....
205	.....	.....	3	615	.....	.....	.....	.....
265	1	265	.....	.....	.....	.....	.....	.....
270	1	270	.....	.....	.....	.....	.....	.....
295	1	295	.....	.....	.....	.....	.....	.....
319	1	319	.....	.....	.....	.....	.....	.....
372	1	372	.....	.....	.....	.....	.....	.....
375	1	375	.....	.....	.....	.....	.....	.....
576	1	576	.....	.....	.....	.....	.....	.....
Total.....	211	7,067	192	15,530	20	230	662	62,964

APPENDIX

No. (A) 21.—STATEMENT showing the Classified Tonnage of all kinds of
WELLAND

CANADIAN.							
Class.	Steam Vessels.	No.	Tonnage.	Class.	Sailing Vessels.	No.	Tonnage.
1	250 to 1,465 tons.....	46	57,292	1	250 to 1,226 tons.....	17	10,416
2	200 " 249 "	1	245	2	200 " 249 "	1	205
3	150 " 199 "	3	470	3	150 " 199 "	3	350
4	100 " 149 "	4	440	4	100 " 149 "	6	25
5	50 " 99 "	7	550	5	50 " 99 "	10	625
6	Under 50 "	29	531	6	Under 50 "	30	283
Total.....		90	59,528	Total.....		67	11,904

ST. LAWRENCE

1	250 to 2,486 tons.....	49	40,667	1	250 to 1,246 tons.....	88	37,058
2	200 " 249 "	1	235	2	200 " 249 "	9	1,910
3	150 " 199 "	10	1,620	3	150 " 199 "	57	9,240
4	100 " 149 "	15	1,665	4	100 " 149 "	106	12,880
5	50 " 99 "	26	1,815	5	50 " 99 "	65	4,985
6	Under 50 "	128	1,778	6	Under 50 "	26	715
Total....		229	47,780	Total....		351	66,788

RIDEAU, OTTAWA

1	250 to 576 tons.....	8	2,732	1	250 to —tons.....		
2	200 " 249 "			2	200 " 249 "	5	1,015
3	150 " 199 "	6	1,040	3	150 " 199 "	41	6,523
4	100 " 149 "	5	585	4	100 " 149 "	43	5,385
5	50 " 99 "	13	895	5	50 " 99 "	22	1,530
6	Under 50 "	179	1,851	6	Under 50 "	81	1,075
Total.....		211	7,067	Total.....		192	15,530

A--Concluded.

Vessels passed through the Canals during the Season of Navigation in 1907.

CANAL.

UNITED STATES.							
Class.	Steam Vessels.	No.	Tonnage.	Class.	Sailing Vessels.	No.	Tonnage.
1	250 to 1,758 tons.....	70	61,652	1	250 to 1,310 tons.....	18	10,192
2	200 " 249 "			2	200 " 249 "	1	215
3	150 " 199 "	3	465	3	150 " 199 "		
4	100 " 149 "			4	100 " 149 "	1	130
5	50 " 99 "	12	960	5	50 " 99 "	4	165
6	Under 50 "	21	394	6	Under 50 "	14	332
	Total.....	106	63,471		Total.....	38	11,034

CANALS.

1	250 to 1,758 tons.....	30	26,439	1	250 to 993 tons.....	16	8,006
2	200 " 249 "	1	200	2	200 " 249 "	1	200
3	150 " 199 "			3	150 " 199 "	1	155
4	100 " 149 "	2	270	4	100 " 149 "	27	2,790
5	50 " 99 "	4	260	5	50 " 99 "	73	6,740
6	Under 50 "	31	602	6	Under 50 "		
	Total.....	68	27,771		Total.....	118	17,891

AND CHAMBLY CANALS.

1	250 to — tons.....			1	250 to — tons.....		
2	200 " 249 "			2	200 " 249 "		
3	150 " 199 "			3	150 " 199 "		
4	100 " 149 "			4	100 " 149 "	144	15,145
5	50 " 99 "			5	50 " 99 "	510	47,670
6	Under 50 "	20	230	6	Under 50 "	8	149
	Total.....	20	230		Total.....	662	62,964

RICHARD DEVLIN,
Compiler of Canal Statistics.

APPENDIX B.
DOMINION CANALS.

The canal systems of the Dominion, under government control in connection with lakes and navigable rivers, are as follows :—

First.—The through route between Montreal and the head of Lake Superior (14 feet minimum depth of water.)

	Miles.
1. Lachine canal.....	8½
Lake St. Louis and River St. Lawrence.....	16
2. Soulanges canal.....	14
Lake St. Francis and River St. Lawrence.....	33
3. Cornwall canal.....	11
River St. Lawrence.....	5
4. Farran's Point canal.....	1½
River St. Lawrence.....	10
5. Rapide Plat canal.....	3¾
River St. Lawrence.....	4
6. Galops canal.....	7⅓
River St. Lawrence and Lake Ontario.....	236
7. Welland canal.....	26¾
Lake Erie, Detroit river, Lake St. Clair, Lake Huron, &c.	580
8. Sault Ste. Marie canal.....	1¼
Lake Superior to Port Arthur.....	266
Total	<u>1,223½</u>
To Duluth.....	1,357
Chicago.....	<u>1,286</u>

Second.—Ottawa to Lake Champlain.

1. Grenville. 2. Carillon. 3. St. Anne's. 4. Chambly. 5. St. Ours canals.

Third.—Ottawa to Kingston and Perth.

1. Rideau canal.

Fourth.—Lake Ontario at Trenton to Lake Huron at mouth of River Severn.

1. Trent canal (not completed).

Fifth.—Ocean to the Bras d'Or lakes.

1. St. Peter's canal.

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RIVER ST. LAWRENCE AND LAKES.

The River St. Lawrence with the system of canals established on its course above Montreal, and the Lakes Ontario, Erie, St. Clair, Huron and Superior, with connecting canals, afford a course of water communication extending from the Straits of Belle Isle to Port Arthur, at the head of Lake Superior, a distance of 2,200 statute miles. The distance to Duluth is 2,343 statute miles. The distance to Chicago, 2,272 miles.

From the Straits of Belle Isle, at the mouth of the St. Lawrence, to Montreal, the distance is 986 miles. From Quebec to Montreal, the distance is 160 miles. Owing to the shallowness of the waters on a portion of the river between these two places, particularly through Lake St. Peter, vessels drawing more than from ten to twelve feet were formerly barred from passage for the greater part of the season of navigation. In 1826, the question of deepening the channel was first definitely mooted, but it was not until 1844 that any dredging operations were begun. In that year, the deepening of a new straight channel was commenced, but the scheme was abandoned in 1847. In 1851 the deepening of the present channel was begun. At that time the depth of the channel at low water was 10 feet 6 inches. By the year 1869, this depth had been increased to 20 feet, by 1882 to 25 feet, and by the close of 1888 the depth of 27½ feet, at low water, was attained for a distance of 108 miles from Montreal to a point within tidal influence. This work is now being continued by the government of Canada, which in 1888, under the provisions of the Act 51 Vic., ch. 5, of that year, assumed the indebtedness. The channel has a minimum width of 300 feet, extending to 550 feet at points of curvature. The channel is lighted and buoyed.

Navigation, which is closed by ice during the winter months, opens about the end of April.

Montreal has by this work been placed at the head of ocean navigation, and here the canal systems of the River St. Lawrence begin, overcoming the various rapids by which the river channel upwards is obstructed, and giving access through the St. Lawrence canals, the Welland canal, the great lakes and the Sault Ste. Marie canal, to the head of Lake Superior.

The difference in level between the point on the St. Lawrence, near Three Rivers, where tidal influence ceases, and Lake Superior, is about 600 feet.

The Dominion canals, constructed between Montreal and Lake Superior, are the Lachine, Soulanges, Cornwall, Farran's Point, Rapide Plat, Galops, Murray, Welland and Sault Ste. Marie. Their aggregate length is 73 miles; total lockage (or height directly overcome by locks), 551 feet. The number of locks through which a vessel would pass in its passage from Montreal, at the head of ocean navigation, to the head of Lake Superior is 48. The Soulanges canal takes the place of the Beauharnois canal; the latter may be abandoned for navigation purposes.

Communication between Lakes Huron and Superior is obtained by means of the Canadian Sault Ste. Marie canal, and also by the St. Mary's Falls canal, situated on the United States side of the River St. Mary. Both these canals are free of toll.

It is important to note that the enlargement of the canals on the main route between Montreal and Lake Erie comprises locks of the following minimum dimensions: Length, 270 feet; width, 45 feet; depth of water on sills, 14 feet. The length of the vessels to be accommodated is limited to 255 feet. At Farran's, in the canal of that name, the lock is 800 feet long. A similar lock is built at Iroquois on the Galops canal, the object being to pass a full tow at one lockage.

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LACHINE CANAL.

First construction	commenced	1821
„	completed	1825
First enlargement	commenced	1843
“	completed	1848
Second enlargement	commenced	1873
“	completed	1901
Length of canal		8½ statute miles.
Number of locks		5
Dimension of locks		270 feet by 45 feet.
Total rise or lockage		45 feet.
Depth of water	{ at two locks.	18 “
on sills.	{ at three locks.	14 “
Average width of new canal		150 “

The old lift locks, 200 feet by 45 feet, are still available, with 9 feet of water on mitre sills.

The canal consists of one channel, with two distinct systems of locks, the old and the enlarged. There are two lock entrances at each end.

The canal extends from the city of Montreal to the town of Lachine, overcoming the St. Louis rapids, the first of the series of rapids which bars the ascent of the River St. Lawrence. They are 986 miles distant from the Straits of Belle Isle.

SOULANGES CANAL.

Construction	commenced	1892
Open for traffic		1899
Length of canal		14 statute miles.
Number of locks	{ lift	4
	{ guard	1
Dimensions of locks		280 feet by 45 feet.
Total rise or lockage		84 feet.
Depth of water on sills		15 “
Breadth of canal at bottom		100 “
Breadth of canal at water surface		164 “
Number of arc lights		219 of 2,000 c. p. each.

The canal extends from Cascade point to Coteau landing, overcoming the Cascade Rapids, Cedar rapids and Coteau rapids.

From the head of the Lachine to the foot of the Soulanges, the distance is sixteen miles.

CORNWALL CANAL.

First commenced, 9 feet	1844
“ opened	1847
Enlargement commenced	1897
“ completed	1900
Length of canal	11 statute miles.
Number of locks	6
Dimensions of locks	270 feet by 45 feet.
Total rise or lockage	48 feet.
Depth of water on sills	14 “
Breadth of canal at bottom	100 “
Breadth of canal at water surface	164 “

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The old lift locks, 200 feet by 45 feet, are also available, with nine feet of water on mitre sills.

From the head of the Soulanges to the foot of the Cornwall canal there is a stretch through Lake St. Francis, of $32\frac{3}{4}$ miles, which is being made navigable for vessels drawing fourteen feet.

The Cornwall canal extends past the Long Sault rapids from the town of Cornwall to Dickinson's landing.

WILLIAMSBURG CANALS.

The Farran's Point, Rapide Plat and Galops canals are collectively known as the Williamsburg Canals.

FARRAN'S POINT CANAL.

First commenced, 9 feet.....	1844
“ opened.....	1847
Enlargement commenced.....	1897
“ completed.....	1900
Length of canal.....	1½ mile.
Number of locks.....	1
New lock.....	800 feet by 45 feet.
Old lock.....	200 “
Total rise or lockages.....	3½ feet.
Depth of water on sills of new lock.....	14 “
Depth of water on sills of old lock.....	9 “
Breadth of canal at bottom.....	90 “
Breadth of canal at water surface.....	154 “

From the head of the Cornwall canal to the foot of Farran's Point canal, the distance on the River St. Lawrence is five miles. The latter canal enables vessels ascending the river to avoid Farran's Point rapid, passing the full tow at one lockage. Descending vessels run the rapids with ease and safety.

RAPIDE PLAT CANAL.

First commenced, 9 feet.....	1844
Opened.....	1847
Enlargement commenced.....	1884
“ completed.....	1897
Length of canal.....	3½ miles.
Number of locks.....	2
Dimensions of locks.....	270 feet by 45 feet.
Total rise or lockage.....	11½ feet.
Depth of water on sills.....	14 “
Breadth of canal at bottom.....	80 “
Breadth of canal at surface of water.....	152 “

The old lift lock, 200 feet by 45, is also available, with nine feet of water on mitre sills.

From the head of Farran's Point canal to the foot of Rapide Plat canal, there is a navigable stretch of $10\frac{1}{2}$ miles. This canal was formed to enable vessels ascending the river to pass the rapids at that place Descending vessels run the rapids safely.

GALOPS CANAL.

First commenced, 9 feet.....	1844
Opened.....	1846
Enlargement commenced.....	1888
“ completed.....	1903
Length of canal.....	7¾ miles.
Number of locks.....	3
Dimensions of locks. { one of which is }	2-270 by 45.
{ a guard lock. }	1-800 by 45.
Total rise of lockage.....	15½ feet.
Depth of water on sills.....	14 "
Breadth of canal at bottom.....	80 "
Breadth of canal at surface of water.....	144 "

From the head of Rapide Plat canal to Iroquois, at the foot of the Galops canal, the St. Lawrence is navigable 4½ miles. The canal enables vessels to overcome the rapids at Pointe aux Iroquois, Point Cardinal and the Galops.

MURRAY CANAL.

Construction begun.....	1882
Completed	1890
Length between eastern and western pier heads..	5⅙ miles.
Breadth at bottom.....	80 feet.
Breadth at water surface....	120 "
Depth below lowest known lake level....	11 "
No locks.	

This canal extends through the Isthmus of Murray, giving connection westward between the head waters of the Bay of Quinté and Lake Ontario, and thus enabling vessels to avoid the open lake navigation.

WELLAND CANAL.

Main line from Port Dalhousie, Lake Ontario, to Port Colborne, Lake Erie.

	Old Line.	Enlarged or New Line.
Length of canal.....	27½ miles	26¾miles.
Pairs of guard-gates (formerly 3)..		2
Number of locks { lift.....	26	25
{ guard.....	1	1
Dimensions.....	{ 1 lock 200 x 45 1 lock 200 x 45 1 (tidal) 230 x 45 24 locks 150 x 45	{ 270 feet x 45 feet.
Total rise or lockage 326¾ feet....	326¾ feet	326¾ feet.
Dept of water on sills.....	10¼ "	14
Construction commenced, 10 feet 3 inches.....		1824
“ completed.....		1833
Enlargement commenced, 14 feet		1872
“ completed.....		1887

WELLAND RIVER BRANCHES.

Length of canal—	
Port Robinson cut to River Welland.	2,622 feet.
From the canal at Welland to the river, via lock at Aqueduct.	300 "
Chippewa cut to River Niagara.	1,020 "
Number of locks—one at Aqueduct and one at Port Robinson.	2
Dimensions of locks.	150 by 26½ feet.
Total lockage from the canal at Welland down to River Welland.	10 feet.
Depth of water on sills.	9 feet 10 inches.

GRAND RIVER FEEDER.

Length of canal.	21 miles,
Number of locks.	2
Dimensions of locks.	{ 1 of 150 by 26½ feet. 1 of 200 by 45 "
Total rise or lockage.	
Depth of water on sills.	9 feet.

PORT MAITLAND BRANCH.

Length of canal.	1¾ miles.
Number of locks	1
Dimensions of locks	185 feet by 45 feet.
Total rise of lockage.	7½ feet.
Depth of water on sills.	11 "

The Welland canal has two entrances from Lake Ontario, at Port Dalhousie, one for the old, the other for the new canal.

From Port Dalhousie to Allanburg, 11¾ miles, there are two distinct lines of canal in operation, the old line and the enlarged or new line.

From Allanburg to Port Colborne, a distance of 15 miles, there is only one channel, the old canal having been enlarged.

From the head of the Welland canal there is a deep water navigation through Lake Erie, the Detroit river, Lake St. Clair, the St. Clair river, Lake Huron and River St. Mary to the Sault canal, a distance of about 580 miles. From the Sault the distance through Lake Superior to Port Arthur is 266 miles, and to Duluth 400 miles.

SAULT STE. MARIE CANAL.

Construction commenced	1888
Opened for traffic	1895
Length of canal, between the extreme ends of the entrance piers.	5,967 feet.
Number of locks.	1
Dimensions of locks.	900 ft. by 60 ft.
Depth of water on sills (at lowest known water level)	20 ft. 3 inches.
Total rise or lockage.	18 feet.
Breadth of canal at bottom.	141 ft. 8 inches.
Breadth at surface of water.	150 feet.

This canal has been constructed through St. Mary's island, on the north side of the rapids of the River St. Mary, and, with that river, gives communication on Canadian

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territory between Lakes Huron and Superior. The masonry pier of the bridge carrying the Canadian Pacific Railway over the canal, which stood in the channel of the canal, forming an obstruction to navigation, has been removed; the swing now spanning the full width of the channel or prism of the canal.

MONTREAL, OTTAWA AND KINGSTON.

This route extends from the harbour of Montreal to the port of Kingston, passing through the Lachine canal, the navigation section of the lower River Ottawa, and the Ottawa canals, to the city of Ottawa; thence by the River Rideau and the Rideau canal to Kingston, on lake Ontario—a total distance of $245\frac{5}{8}$ miles.

After leaving the Lachine canal the works constructed to overcome difficulties of navigation are:

Ottawa River Canals.

The Ste. Anne's lock.	Grenville canal.
Carillon canal.	Rideau canal.

The total lockage (not including that of the Lachine canal) is 509 feet—(345 rise 164 fall)—and the number of locks is 55.

The following table exhibits the intermediate distances from Montreal harbour:—

Sections of Navigation.	Interme- diate Distance.	Total Distance, from Montréal.
	Miles.	Miles.
The Lachine canal.....	$8\frac{1}{2}$	
From Lachine to Ste. Anne's lock	15	23
Ste. Anne's lock and piers.....	$\frac{1}{8}$	23
Ste. Anne's lock to Carillon canal.....	27	50
The Carillon canal.....	$2\frac{3}{4}$	51
The Carillon to Grenville canal	$6\frac{1}{4}$	57
The Grenville canal.....	$5\frac{3}{4}$	63
From the Grenville canal to entrance of Rideau navigation.....	56	119
Rideau navigation ending at Kingston.....	$126\frac{1}{4}$	245

STE. ANNE'S LOCK.

Construction commenced	1814.
“ completed.....	1816.
Rebuilt of wood.....	1833.
“ in masonry.....	1843.

	Old Lock.	New Lock.
Length of canal.....	$\frac{1}{8}$ mile.	$\frac{1}{8}$ mile.
Number of locks.....	1	1
Dimensions of locks.....	190 x 45 feet	200 x 45 feet.
Total rise or lockage.....	3 feet.	3 feet.
Depth of water on sills.....	6 "	9 "

This work, with guide piers above and below, surmounts the Ste. Anne's rapids between Ile Perrot and the head of the Island of Montreal, at the outlet of that portion of the River Ottawa which forms the Lake of Two Mountains, $23\frac{1}{2}$ miles from Montreal harbour.

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THE CARILLON CANAL.

Construction commenced.....	1819.
“ completed.....	1833.
Enlargement commenced... ..	1871.
“ completed.....	1887.
Length of canal.....	$\frac{3}{4}$ mile.
Number of locks.....	2
Dimensions of locks.....	200 x 45 feet.
Total rise or lockage.	16 feet.
Depth of water on sills.....	9 "
Breadth of canal at bottom.....	100 "
Breadth of canal at water surface.....	110 "

This canal overcomes the Carillon rapids.

From Ste. Anne's lock to the foot of the Carillon canal there is navigable stretch of 27 miles, through the Lake of Two Mountains and the River Ottawa.

By the construction of the Carillon dam across the River Ottawa the water at that point is raised 9 feet, enabling the river above to be used for navigation.

GRENVILLE CANAL.

Construction commenced.....	1819..
“ completed.....	1833.
Enlargement commenced.....	1871.
“ completed.....	1887.
Length of canal.....	$5\frac{3}{4}$ miles.
Number of locks.....	5
Dimensions of locks.....	200 x 45 feet.
Total rise or lockage.....	$43\frac{3}{4}$ feet.
Depth of water on sills.....	9 "
Breadth of canal at bottom.....	40 to 50 feet.
Breadth of canal at surface of water.....	50 to 80 feet.

This canal, by which the Long Sault rapids are avoided, is about 56 miles below the city of Ottawa, up to which point the River Ottawa affords unimpeded navigation.

RIDEAU NAVIGATION.

Construction commenced.....	1826
“ completed.....	1832

The Rideau system connects the River Ottawa, at the city of Ottawa, with the eastern end of Lake Ontario, at Kingston.

Length of navigation waters.....	$126\frac{1}{4}$ miles.
Number of locks going from Ottawa to Kingston...	$\left\{ \begin{array}{l} 35 \text{ ascending.} \\ 14 \text{ descending.} \end{array} \right.$
Total lockage.....	$446\frac{1}{2}$ feet $\left\{ \begin{array}{l} 282\frac{1}{4} \text{ rise and} \\ 164 \text{ fall} \end{array} \right.$ at high water.
Dimensions of locks.....	134 x 33 feet.
Depth of water on sills.....	5 feet.
Navigation depth through the several reaches.....	$4\frac{1}{2}$ feet.
Breadth of canal reaches at bottom.	$\left\{ \begin{array}{l} 60 \text{ feet in earth.} \\ 54 \text{ feet in rock.} \end{array} \right.$
Breadth of canal at surface of water.....	80 feet in earth.

PERTH BRANCH.

Construction commenced.....	1883.
“ completed.....	1892.
Length of canal.....	6 miles.
Number of locks.....	2
Dimensions of locks.....	134 feet x 32 feet.
Total rise or lockage.....	26 "
Depth of water on sills.....	5 " 6 inches.
Length of dam.....	200 "
Breadth of canal at bottom.....	40 "
Breadth of canal at surface of water.....	{ 40 " in rock. 60 " in clay.

The Perth branch of the Rideau canal affords communication between Beveridge’s bay, on Lake Rideau, and the town of Perth.

The summit level of the Rideau system is at upper Lake Rideau, but several of the descending reaches are also supplied by waters which have been made tributary to them. The following description gives the sources of supply :—

From the summit, the route towards Ottawa follows the Rideau river, and that towards Kingston follows the River Cataraqui. The supply of water for the canal is derived from the reserves given in detail below.

These may be divided into three systems, viz :—

1. The summit level, supplied by the Wolfe lake system.
2. The eastern descending level to Ottawa, supplied by the River Tay system, discharging into Lake Rideau.
3. The south-west descending level to Kingston, supplied by the Mud lake system formerly known as the Devil lake system, discharging into Lake Openicon.

Lake Openicon receives the waters of Buck lake and Rock lake.

All these waters on the descending level, supplemented by those of Lake Loughboro’, flow into Cranberry lake, which, discharging through Round Tail outlet, forms the River Cataraqui. The river, rendered navigable by dams at various points, affords a line of navigation to Kingston.

RICHELIEU AND LAKE CHAMPLAIN.

This system, commencing at Sorel, at the confluence of the Rivers St. Lawrence and Richelieu, 46 miles below Montreal, extends along the River Richelieu, through the St. Ours lock to the basin of Chambly ; thence, by the Chambly canal, to St. Johns, and up the River Richelieu to Lake Champlain. The distance from Sorel to the boundary line is 81 miles.

At Whitehall, the southern end of Lake Champlain is entered, and connection is obtained with the River Hudson, by which the city of New York is directly reached. From the boundary line to New York the distance is 330 miles.

The following table shows the distances between Sorel and New York :—

Section of Navigation.	Interme- diate Distance.	Total Distances.
	Miles.	Miles.
Sorel to St. Ours lock.....	14	14
St. Ours lock to Chambly canal	32	46
Chambly canal.....	12	58
Chambly canal to boundary line.....	23	81
Boundary line to Champlain canal	111	192
Champlain canal to junction with Erie canal.	66	258
Erie canal, from junction to Albany.....	7	265
Albany to New York.....	146	411

SESSIONAL PAPER No. 20a

ST. OURS LOCK DAM.

Construction commenced	1844.
“ completed	1849.
Length	$\frac{1}{8}$ mile.
Number of locks	1 “
Dimensions of lock	200 feet by 45 feet.
Total rise of lockage	5 “
Depth of water on sills	7 feet at low water.
Length of dam in eastern channel	300 “
Length of dam in western channel	690 “

At St. Ours, 14 miles from Sorel, the River Richelieu is divided by a small island into two channels. The St. Ours lock is in the eastern channel.

There is a navigable depth in the Richelieu of 7 feet between St. Ours lock and Chambly basin, a distance of 32 miles.

CHAMBLY CANAL.

Construction commenced	1831	
“ completed	1843	
Length of canal	12 miles.	
Number of locks	9	
Dimensions of locks :—		
Guard lock, No. 1 at St. Johns	122 feet.	} From 22½ to 24 feet wide.
Lift “ 2	124 “	
“ “ 3, 4, 5, 6	118 “	
“ “ 7, 8, 9 combined	125 “	
Total rise or lockage	74 “	
Depth of water on sills	7 “	
Breadth of canal at bottom	36 “	
Breadth of canal at surface of water	60 “	

This canal succeeds the 32 miles of navigable water between St. Ours lock and Chambly basin. The canal overcomes the rapids between Chambly and St. Johns.

'TRENT' CANAL.

The term 'Trent canal' is applied to a series of water stretches, which do not, however, form a connected system of navigation, and which, in their present condition, are efficient only for local use. By various works this local use has been extended, and by others, now in progress and contemplation, this will become a through route between Lake Ontario and Lake Huron.

The series is composed of a chain of lakes and rivers, extending from Trenton, at the mouth of the River Trent, on the Bay of Quinté, Lake Ontario, to Lake Huron.

Many years ago the utilizing of these waters for the purpose of through water communication between Lake Huron and Lake Ontario was projected.

The course, as originally contemplated and modified, is as follows :—

Through the River Trent, Rice lake, the River Otonabee and Lakes Clear, Stony, Lovesick, Deer, Buckhorn, Chemong, Pigeon, Sturgeon and Cameron to Lake Balsam, the summit water, about 165 miles from Trenton : from Lake Balsam by a canal and the River Talbot to Lake Simcoe : thence by the River Severn to Georgian bay, Lake Huron ; the total distance being about 200 miles, of which only about 15 or 20 miles will be actual canal.

The full execution of the scheme, commenced by the Imperial government in 1837, was deferred. By certain works, however, below specified, sections of these waters have

been made practicable for navigation, and the whole scheme is now being carried out. A branch of the main route, extending from Sturgeon lake south, affords communication with the town of Lindsay, and, through Lake Scugog to Port Perry, a distance of 190 miles from Trenton.

The following table give the distance of navigable and unnavigable reaches.

From Trenton, Bay of Quinté to Nine Mile rapids.	—	9
Nine Mile rapids to Percy landing	19½	—
Percy landing to Heeley's Falls dam	—	14½
Heeley's Falls dam to Peterborough	51¾	—
Peterborough to Lakefield	—	9
Lakefield to a point across Balsam lake	61	—
	<hr/> 132¼	<hr/> 32½
Total distance, Bay of Quinté to a point across Balsam lake . .		165
From Sturgeon point on Sturgeon lake, 48¾ miles from Lake- field, the branch through the town of Lindsay to Port Perry at the head of Lake Scugog		27

The works by which the Trent navigation has been improved comprise canals, with locks and bridges, at Young's point, Burleigh rapids, Lovesick, Buckhorn rapids, Bobcaygeon, Fenelon falls and Rosedale ; also dams at Lakefield, Young's point, Burleigh falls, Lovesick, Buckhorn, Bobcaygeon and Fenelon falls. By these works there is afforded communication between Lakefield, 9½ miles from Peterborough, and Balsam lake, the headwaters of the system ; opening up a total of about 160 miles of direct and lateral navigation.

At Lakefield, 9½ miles from Peterborough, the dam at the head of the Nine Mile rapids of the River Otonabee, maintains navigation on Lake Katchewanoe up to Young's point.

At Young's point, 5 miles from Lakefield, the dam between Lake Katchewanoe and Clear lake controls the water level through Clear and Stony lakes up to the foot of the Burleigh canal.

At Burleigh rapids, 10 miles from Young's point, a canal, about 2¼ miles in length, passes the Burleigh and Lovesick rapids, and gives communication between Stony lake and Deer bay.

At Buckhorn rapids, 7 miles from Burleigh rapids, there is a canal about one-fourth of a mile long.

At Bobcaygeon, 15¾ miles from Buckhorn rapids, a dam, 553 feet long, controls the water level up to Fenelon falls.

At Fenelon falls, 15 miles from Bobcaygeon, a canal about one-third of a mile in length connects Sturgeon lake with Cameron lake.

The following is a list of the locks with their dimensions :—

- 1 Lock at Rosedale, (maintained by the Ontario government) 100' x 30' x 4' 6" to 6' 6" depth water on mitre sill.
- 2 Locks at Fenelon 134' x 33' x 5' 0" to 7' 6" depth water on mitre sill.
- 1 " Lindsay 134' x 33' x 5' 0" to 7' 6" " "
- 1 " Bobcaygeon . . 134' x 33' x 5' 8" to 7' 0" " "
- 1 " Buckhorn . . . 134' x 33' x 5' 0" to 9' 0" " "
- 1 " Lovesick 134' x 33' x 5' 0" to 9' 4" " "
- 2 " Burleigh 134' x 33' x 6' 0" to 8' 0" " "
- 1 " Young's point (a Provincial government work) 134' x 33' x 5' 0" to 14' 0" depth water on mitre sill.
- 1 " Peterborough . 134' x 33' x 5' 0" to 10' 0" depth water on mitre sill.
- 1 " Hastings . . . 134' x 33' x 7' 0" to 10' 6" " "
- " " Chisholms . . . 134' x 33' x 5' 0" to 8' 6" " "

SESSIONAL PAPER No. 20a

ST. PETER'S CANAL, CAPE BRETON.

Construction commenced.....	1854
“ completed.....	1869
Enlargement begun.....	1875
“ completed.....	1881
Length of canal.....	About 2,400 feet.
Breadth at water line.....	50 feet.
Lock.....	One tidal lock, 4 pairs of gates.
Dimensions.....	200 feet by 48 feet.
Depth of water on sills....	18 “ at lowest water.
Depth through canal..	19 “
Extreme rise and fall of tide in St. Peter's bay.....	4 “

This canal connects St. Peter's bay on the northern side of Cape Breton, Nova Scotia, with the Bras d'Or lakes. It crosses an isthmus half a mile in width, and gives access from the Atlantic.

BEAUHARNOIS CANAL.

Construction begun.....	1842
“ completed.....	1845
Length of canal.....	12 statute miles.
Number of locks.....	9.
Dimensions of locks.....	200 feet by 45 feet.
Total rise or lockage.....	82½ “
Depth of water on sills.....	9 “
Breadth of canal at bottom.....	80 “
Breadth of canal at water surface.....	120 “

As the new Soulanges canal is now opened for navigation, the Beauharnois canal is abandoned for navigation purposes.

EARLIER CANALS.

A system of three canals preceded the Beauharnois. These were :

COTEAU DU LAC CANAL.

Construction commenced.....	1779
“ completed.....	1780

SPLIT ROCK CANAL.

Construction commenced.....	1779
“ completed.....	1780

CASCADE POINT CANAL.

Construction commenced.....	1782
“ completed.....	1783

The locks were 20 x 6 feet, and provided for a draft of 2 feet. In 1814 the work of widening them to 12 feet was begun, and finished in 1817.

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Two canals were also constructed off Burlington Bay, Ontario. They were :

BURLINGTON BAY CANAL.

Construction commenced.....	1825
“ completed.....	1832

DESJARDINS CANAL.

Construction commenced.. ..	1826
“ completed.....	1837

Neither of these canals required locks. They have for many years been abandoned. The depth of water provided in the first instance was 7½ feet.

SESSIONAL PAPER No. 20a

ST. LAWRENCE NAVIGATION—TABLE OF DISTANCES.

FROM STRAITS OF BELLE-ILE TO PORT ARTHUR, AT HEAD OF LAKE SUPERIOR
BY WATER.

From	To	Sections of Navigation.	Statute Miles.	
			Inter- mediate.	Total to Straits of Belle-Ile.
Straits of Belle-Ile...	Cape Whittle.....	Gulf of St. Lawrence....	240	240
Cape Whittle.....	West Point, Anticosti.....	".....	201	441
West Point, Anticosti.....	Father Point.....	River St. Lawrence.....	202	643
Father Point.....	Rimouski.....	".....	6	649
Rimouski.....	Bic.....	".....	12	661
Bic.....	Isle Verte.....	".....	39	700
Isle-Verte (opp. Saguenay).....	Quebec.....	".....	126	826
Quebec.....	Three Rivers.....	" to Tide-water.....	74	900
Three-Rivers.....	Monteral.....	".....	86	986
Montreal.....	Lachine.....	Lachine Canal.....	8 $\frac{1}{2}$	994 $\frac{1}{2}$
Lachine.....	Cascade Point.....	Lake St. Louis.....	16	1,009 $\frac{3}{4}$
Cascade Point.....	Coteau Landing.....	Soulanges Canal.....	14	1,021
Coteau Landing.....	Cornwall.....	Lake St. Louis.....	50	1,053 $\frac{3}{4}$
Cornwall.....	Dickinson's Landing.....	Cornwall Canal.....	11 $\frac{1}{2}$	1,065 $\frac{1}{4}$
Dickinson's Landing.....	Farran's Point.....	River St. Lawrence.....	5	1,070 $\frac{1}{4}$
Farran Point.....	Upper end of Croyle's Island.....	Farran's Point.....	$\frac{3}{4}$	1,071
Upper end Croyle's Island.....	Williamsburg or Morrisburg.....	River St. Lawrence.....	10 $\frac{1}{2}$	1,081 $\frac{1}{2}$
Williamsburg.....	Rapide Plat.....	Rapide Plat Canal.....	4	1,085 $\frac{1}{2}$
Rapide Plat.....	Point Iroquois Village.....	River St. Lawrence.....	4 $\frac{1}{2}$	1,090
Point Iroquois Village.....	Upper end Presqu'Ile.....	Point Iroquois Canal.....	3	1,093
Presqu'Ile.....	Point Cardinal, Edwardsburg.....	Junction Canal.....	2 $\frac{5}{8}$	1,095 $\frac{5}{8}$
Point Cardinal.....	Head of Galops Rapids.....	Galops Canal.....	2	1,097 $\frac{5}{8}$
Galops Rapids.....	Prescott.....	River St. Lawrence.....	7 $\frac{3}{8}$	1,105
Prescott.....	Kingston.....	".....	59	1,164
Kingston.....	Port Dalhousie.....	Lake Ontario.....	170	1,334
Port Dalhousie.....	Port Colborne.....	Welland Canal.....	26 $\frac{3}{4}$	1,360 $\frac{3}{4}$
Port Colborne.....	Amherstburg.....	Lake Erie.....	232	1,592 $\frac{3}{4}$
Amherstburg.....	Windsor.....	River Detroit.....	18	1,610 $\frac{3}{4}$
Windsor.....	Foot of St. Mary's Island.....	Lake St. Clair.....	25	1,635 $\frac{3}{4}$
Foot of St. Mary's Island.....	Sarnia.....	River St. Clair.....	33	1,668 $\frac{3}{4}$
Sarnia.....	Foot of St. Joseph Island.....	Lake Huron.....	270	1,938 $\frac{3}{4}$
Foot of St. Joseph's Island.....	Foot of Sault Ste. Marie.....	River Ste. Marie.....	47	1,985 $\frac{3}{4}$
Sault-Ste. Marie.....	Head of Sault Ste. Marie.....	Sault Ste. Marie Canal.....	1	1,986 $\frac{3}{4}$
Head of Sault Ste. Marie.....	Pointe aux Pins.....	River Ste. Marie.....	7	1,993 $\frac{3}{4}$
Pointe aux Pins.....	Port Arthur.....	Lake Superior.....	266	2,259 $\frac{3}{4}$
Port Arthur to Lake Shebandowan.....			45	
Lake Shebandowan to North-west Angle.....			312	
North-west Angle to Winnipeg.....			95	
Pointe aux Pins to Duluth.....			390	

Of the 2,259 $\frac{3}{4}$ miles from the Straits of Belle-Ile to the head of Lake Superior, 73 $\frac{1}{2}$ miles are artificial navigation, and 2,188 $\frac{3}{4}$ open navigation.

Straits of Belle-Ile to Liverpool, 1,942 geographical or 2,234 statute miles.

The total fall from Lake Superior to Tide-water is about 600 feet.

The steamboat voyage from Collingwood to Port Arthur is 532 miles.

" " Depot Harbour to Port Arthur is 510 miles ; to Duluth is 644 miles ; to Chicago 525 miles, and to Milwaukee, 442 miles.

TABLE of distances of Stations between the cities of Ottawa and Kingston.

No. of Station.	Name of Station.	Distances from Ottawa.	Locks.		Dams.			Length of Arti- ficial Canal at each Station in miles.	
			No.	Lift at Low water.	No.	Length.	Height.		
		Miles.		Rise. Ft. In.		Feet.	Feet.		
1	Ottawa.....	0	8	82 0	3	{ 230 1,320 1,616	13	4.00	
2	Hartwell's.....	41 ¹ / ₄	2	22 0	...		100		28
3	Hogsback.....	51 ¹ / ₂	2	13 6	1		320		60
4	Black Rapids.....	91 ¹ / ₂	1	10 0	1		300		12
5	Long Island.....	143 ³ / ₄	3	27 0	3		850		68
6	Burritt's.....	403 ³ / ₄	1	10 6	1	240	14	1.50	
7	Nicholson.....	433 ³ / ₄	2	15 2	1	500	9	0.50	
8	Clowes.....	441 ¹ / ₂	1	10 0	1	481	16	0.05	
9	Merrickville.....	463 ³ / ₄	3	25 0	1	150	6	0.33	
10	Maitland.....	55	1	4 9	1	270	8	0.13	
11	Edmunds.....	59 ¹ / ₂	1	10 10	1	343	8	0.06	
12	Old Slys.....	60 ¹ / ₂	2	15 6	1	250	20	0.25	
13	Smith's Falls.....	61 ¹ / ₂	4	33 9	2	600	24	0.13	
14	First Rapids or Poonamalie.....	64	1	7 9	1	260	5	1.25	
15	Narrows.....	83 ¹ / ₄	1	4 0	1	600	9	0.06	
	Total rise at low water.....		...	292 3					
				Fall.					
16	Isthmus.....	87 ¹ / ₂	1	4 0	...			1.25	
17	Chaffey.....	92	1	12 6	...			0.13	
18	Davis.....	94 ¹ / ₂	1	9 0	1	300	15	0.06	
19	Jones' Falls.....	97 ¹ / ₄	4	60 0	1	300	60	0.25	
20	Brewer's Upper Mills.....	108 ¹ / ₄	2	19 0	1	200	20	1.75	
21	" Lower Mills.....	110	1	14 2	1	200	12	4.25	
22	Kingston Mills.....	120 ¹ / ₄	4	46 8	1	6,042	14	0.25	
23	Kingston.....	126 ¹ / ₄	...						
	Total fall at low water.....		...	165 4					
	Total.....		47		24	15,472	16.46	

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